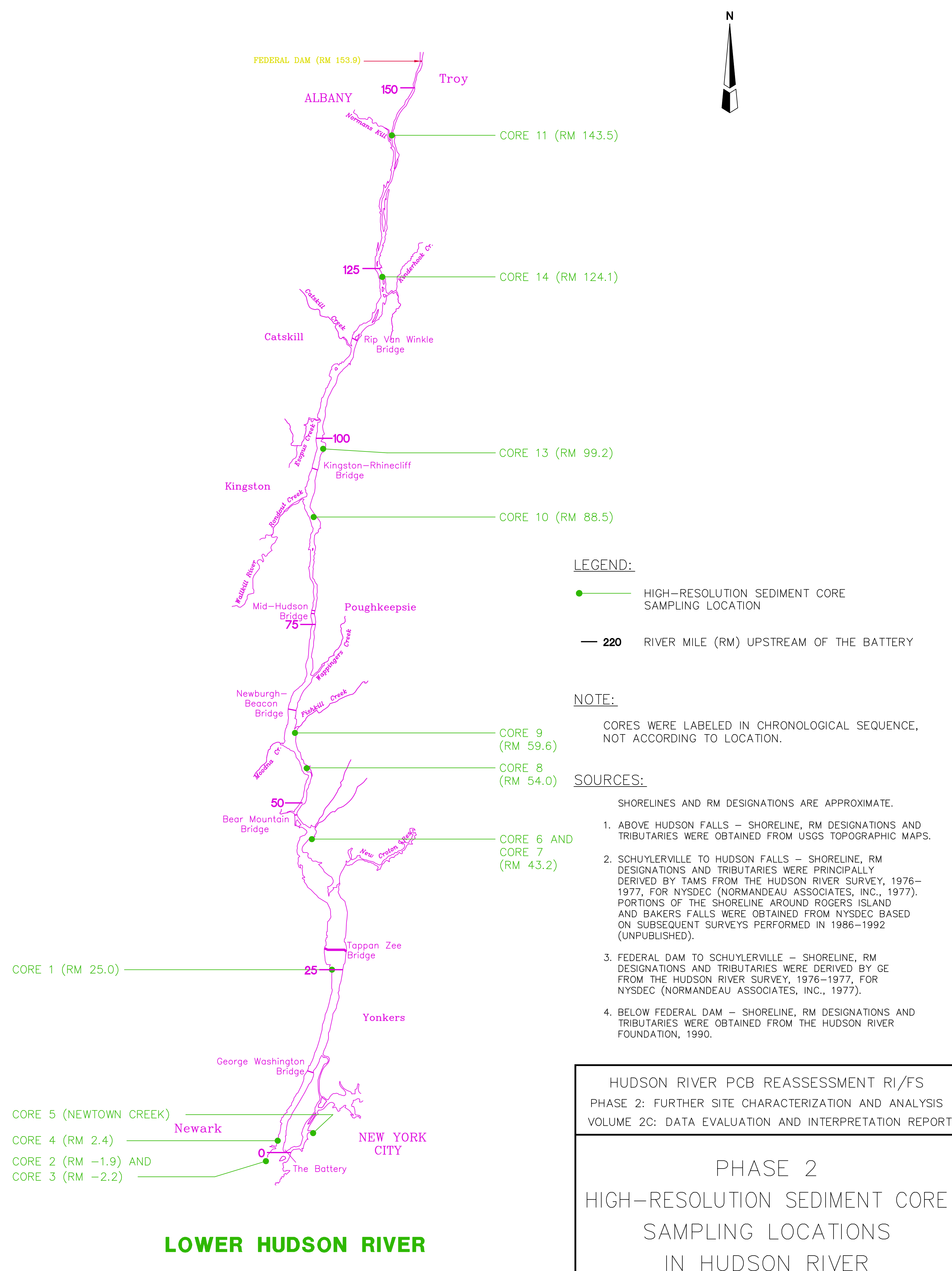
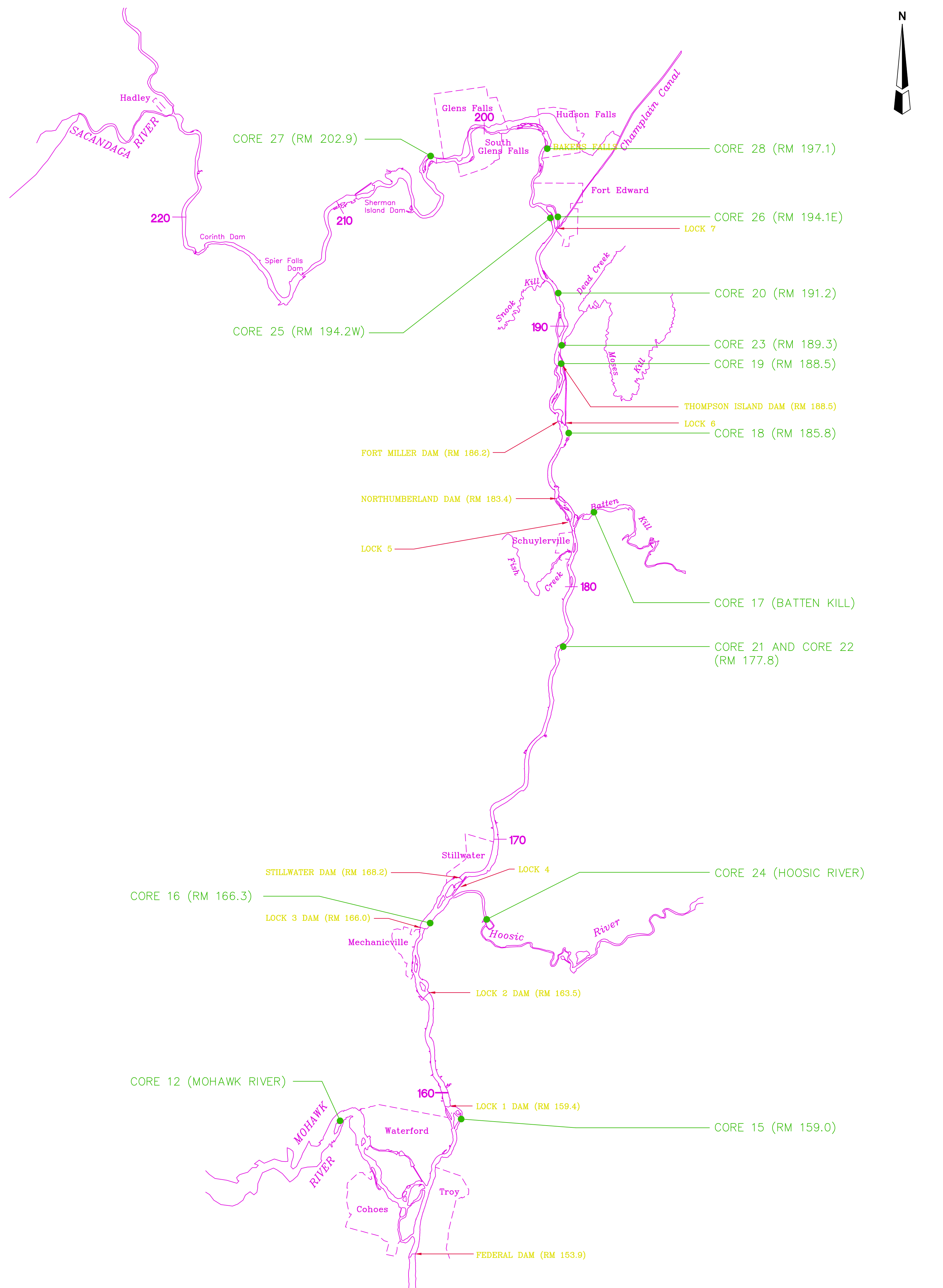


- LEGEND:**
- ← WATER-COLUMN TRANSECT SAMPLING STATION — ONLY
  - ← WATER-COLUMN TRANSECT AND FLOW-AVERAGED SAMPLING STATION
  - 220 RIVER MILE (RM) UPSTREAM OF THE BATTERY
- SOURCES:**
- SHORELINES AND RM DESIGNATIONS ARE APPROXIMATE.
  - ABOVE HUDSON FALLS — SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE OBTAINED FROM USGS TOPOGRAPHIC MAPS.
  - SCHUYLerville TO HUDSON FALLS — SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE PRINCIPALLY DERIVED BY TAMS FROM THE HUDSON RIVER SURVEY, 1976–1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977). PORTIONS OF THE SHORELINE AROUND ROGERS ISLAND AND BAKERS FALLS WERE OBTAINED FROM NYSDEC BASED ON SUBSEQUENT SURVEYS PERFORMED IN 1986–1992 (UNPUBLISHED).
  - FEDERAL DAM TO SCHUYLerville — SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE DERIVED BY GE FROM THE HUDSON RIVER SURVEY, 1976–1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977).
  - BELOW FEDERAL DAM — SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE OBTAINED FROM THE HUDSON RIVER FOUNDATION, 1990.

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

PHASE 2 WATER-COLUMN  
SAMPLING LOCATIONS  
IN HUDSON RIVER

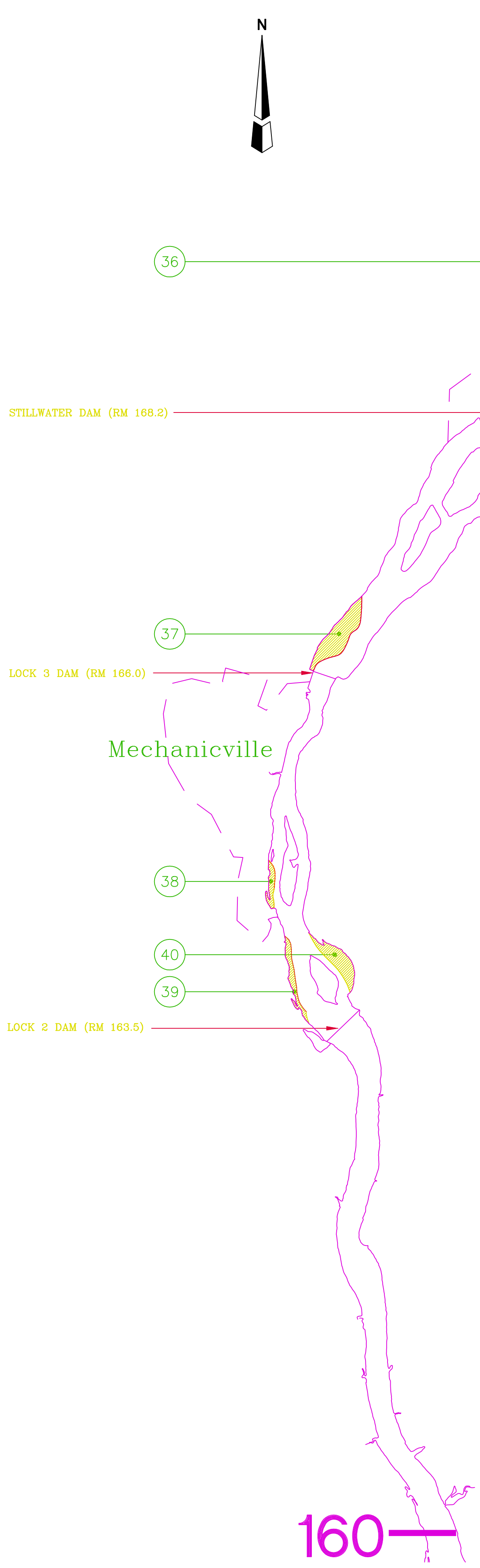
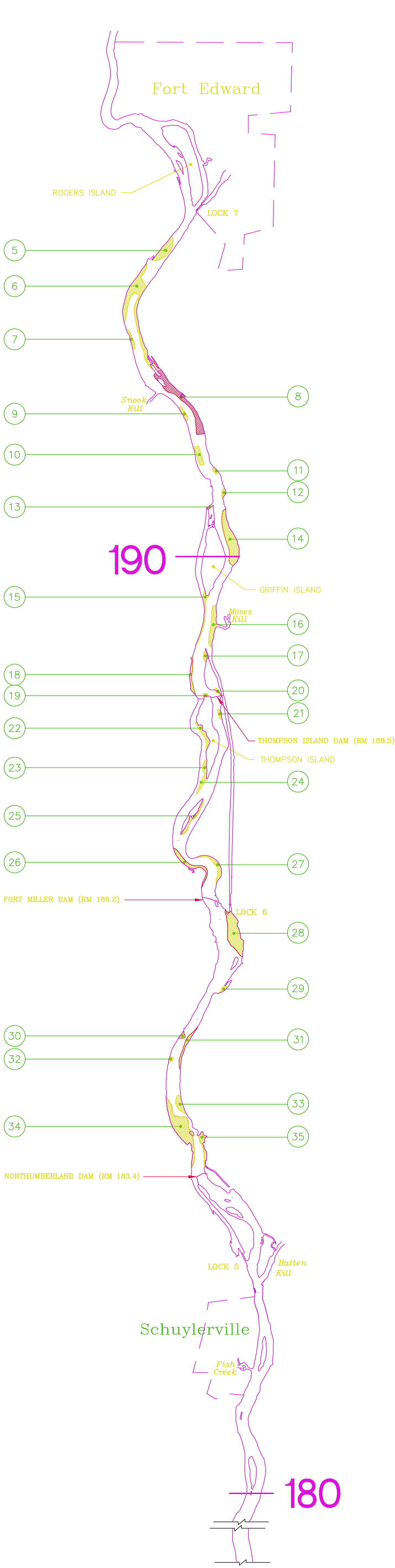




## LOWER HUDSON RIVER

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

## PHASE 2 HIGH-RESOLUTION SEDIMENT CORE SAMPLING LOCATIONS IN HUDSON RIVER



**LEGEND:**

- (5) NYSDEC HOT SPOT NUMBER
- NYSDEC HOT SPOT AREA
- 190 RIVER MILE (RM) UPSTREAM OF THE BATTERY

**NOTES:**

- HOT SPOTS 5 THROUGH 20 WERE DIGITIZED FROM NYSDEC'S "PCB RECLAMATION PROJECT" DRAWINGS (DECEMBER 1985) AT A SCALE OF 1" = 200'.
- HOT SPOTS 21 THROUGH 40 WERE DIGITIZED FROM NUS CORPORATION'S "UPPER HUDSON RIVER AREA" DRAWINGS (APRIL 1984) AT A SCALE OF 1-1/4" = 1 MILE.
- THERE ARE NO DESIGNATED NYSDEC HOT SPOTS BETWEEN RM 183 AND RM 170.
- HOT SPOTS 1 THROUGH 4 ARE NOT SHOWN SINCE THEIR CONTINUED EXISTENCE IS HIGHLY UNCERTAIN DUE TO CHANNEL MAINTENANCE DREDGING SUBSEQUENT TO NYSDEC'S 1977/78 SAMPLING.

**SOURCES:**

SHORELINES AND RM DESIGNATIONS ARE APPROXIMATE.

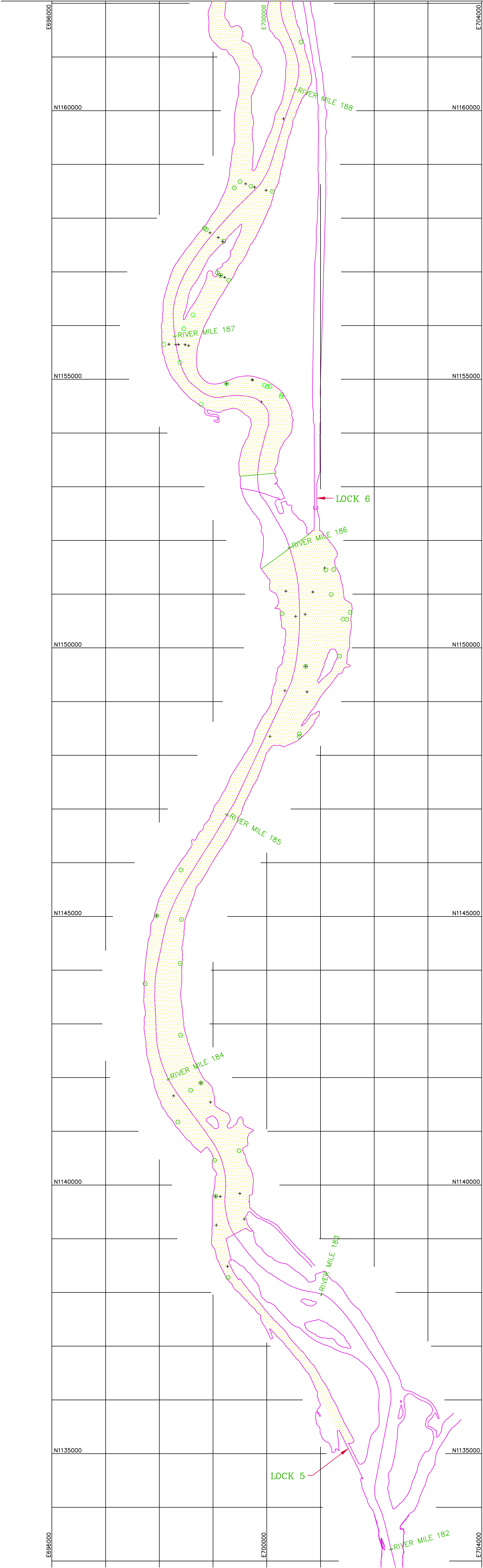
- ABOVE SCHUYLERVILLE – SHORELINE AND RM DESIGNATIONS WERE PRINCIPALLY DERIVED BY TAMS FROM THE HUDSON RIVER SURVEY, 1976-1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977). PORTIONS OF THE SHORELINE AROUND ROGERS ISLAND AND BAKERS FALLS WERE OBTAINED FROM NYSDEC BASED ON SUBSEQUENT SURVEYS PERFORMED IN 1986-1992 (UNPUBLISHED).
- BELOW SCHUYLERVILLE – SHORELINE AND RM DESIGNATIONS WERE DERIVED BY GE FROM THE HUDSON RIVER SURVEY, 1976-1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977).

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT




NYSDEC HOT SPOT LOCATIONS  
IN UPPER HUDSON RIVER







LEGEND:

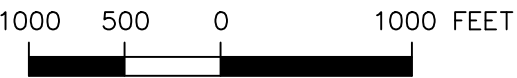
-  AREA COVERED BY GEOPHYSICAL SURVEY
-  CONFIRMATORY CORE SAMPLE
-  CONFIRMATORY GRAB SAMPLE

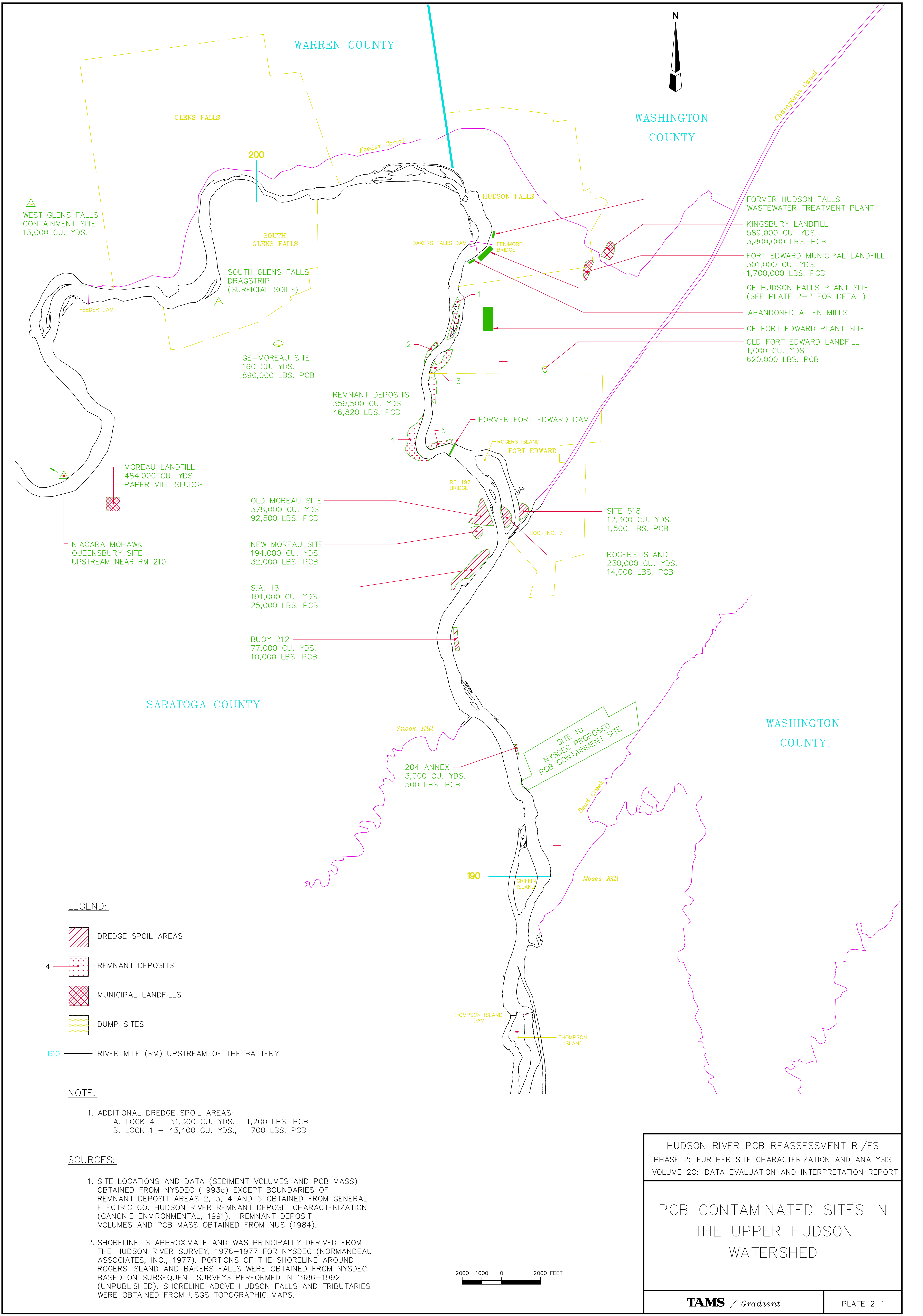
SOURCES:

SEE SHEET 1 OF 2

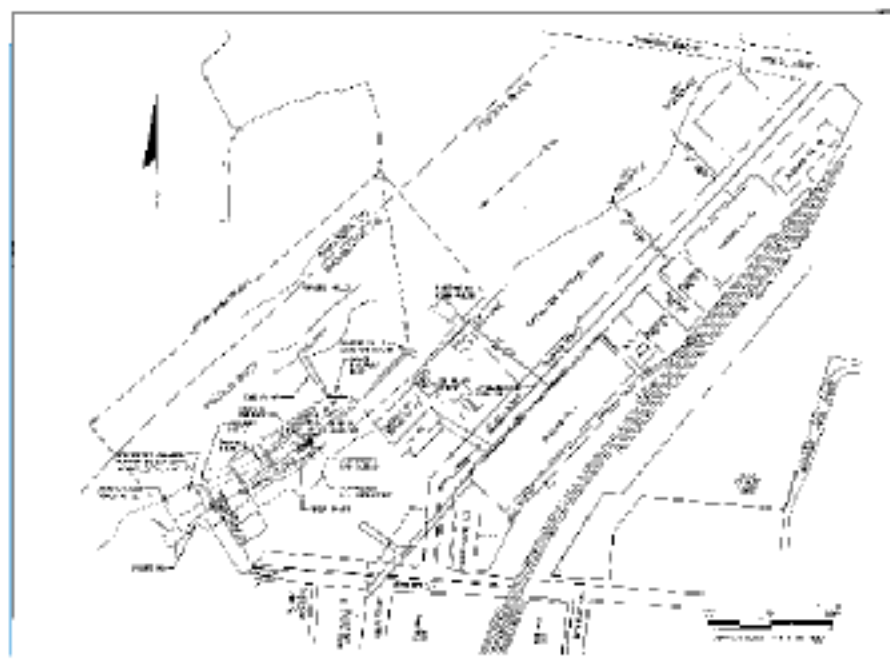
HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

GEOPHYSICAL AND CONFIRMATORY  
SEDIMENT SAMPLING  
LOCATIONS IN UPPER  
HUDSON RIVER

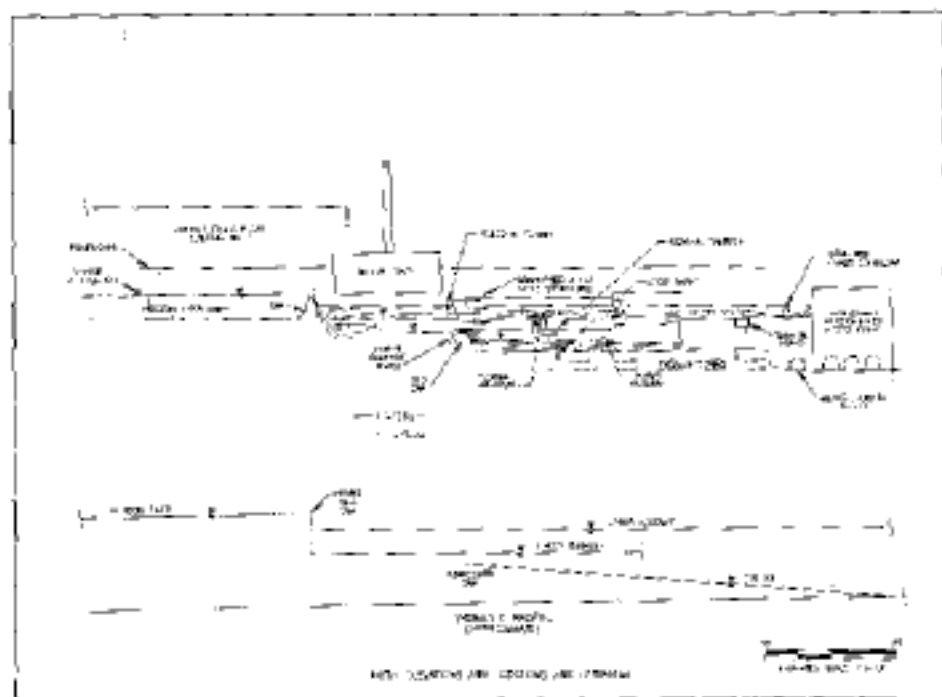




# SITE PLAN



# EASTERN SHORE PROFILE

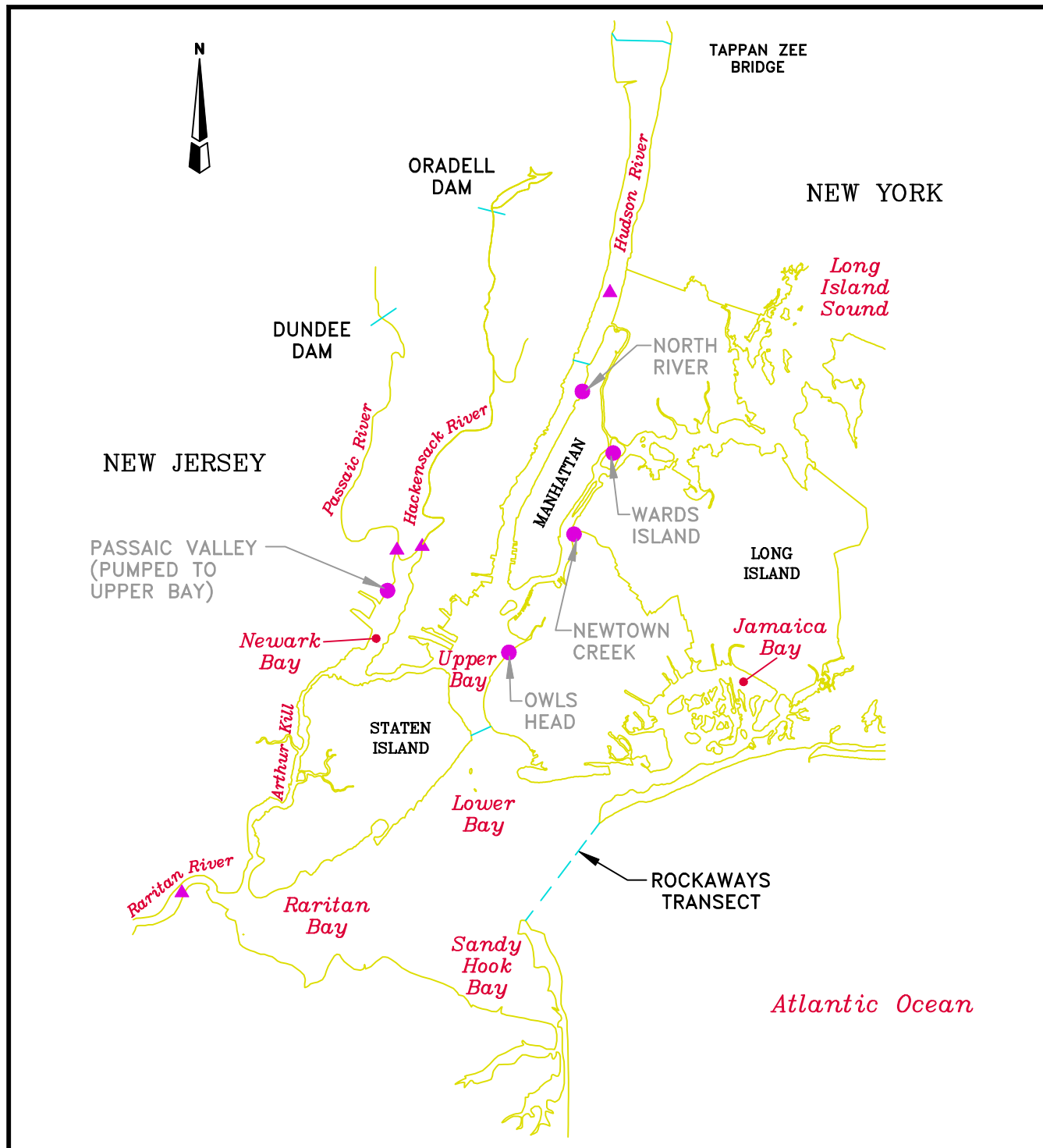


## SOURCE:

DRAWINGS OBTAINED FROM O'BRIEN & GORE (1994).

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2D: DATA EVALUATION AND INTERPRETATION REPORT

GENERAL ELECTRIC  
HUDSON FALLS, NY  
SITE PLAN AND SHORE PROFILE



**LEGEND:**

- ▲ TRIBUTARY SAMPLING LOCATIONS
- SEWAGE TREATMENT PLANT SAMPLING LOCATIONS

**SOURCE:**

BATTELLE OCEAN SCIENCES FOR USEPA (JANUARY 1993)  
AND SQUIBB, K.S., ET AL. (JANUARY 1991)

6 3 0 6 MILES

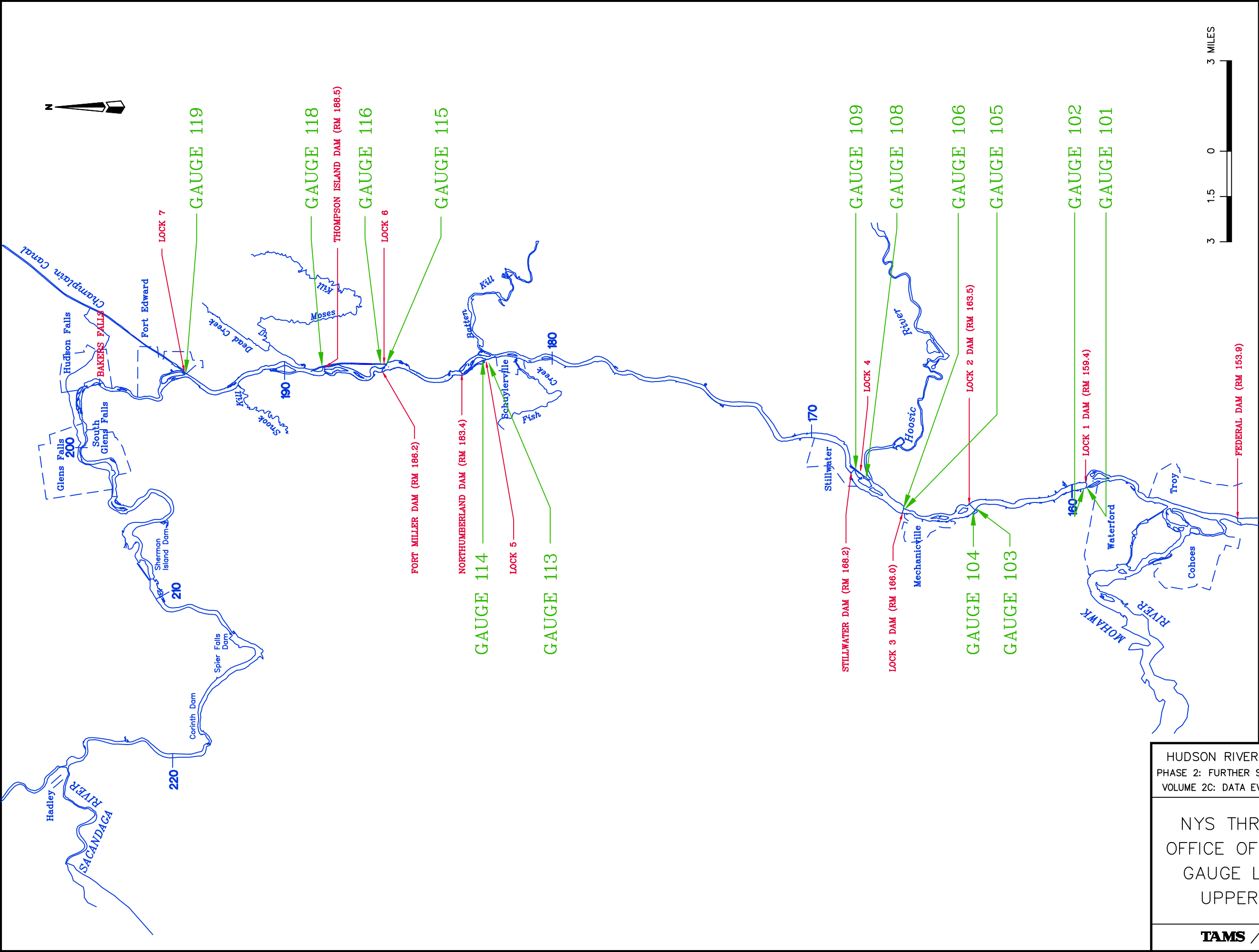
HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

USEPA POINT SOURCE  
SAMPLING LOCATIONS  
IN NY/NJ HARBOR

**TAMS** / Gradient

PLATE 2-3





LEGEND:

— 220 RIVER MILE (RM) UPSTREAM OF THE BATTERY

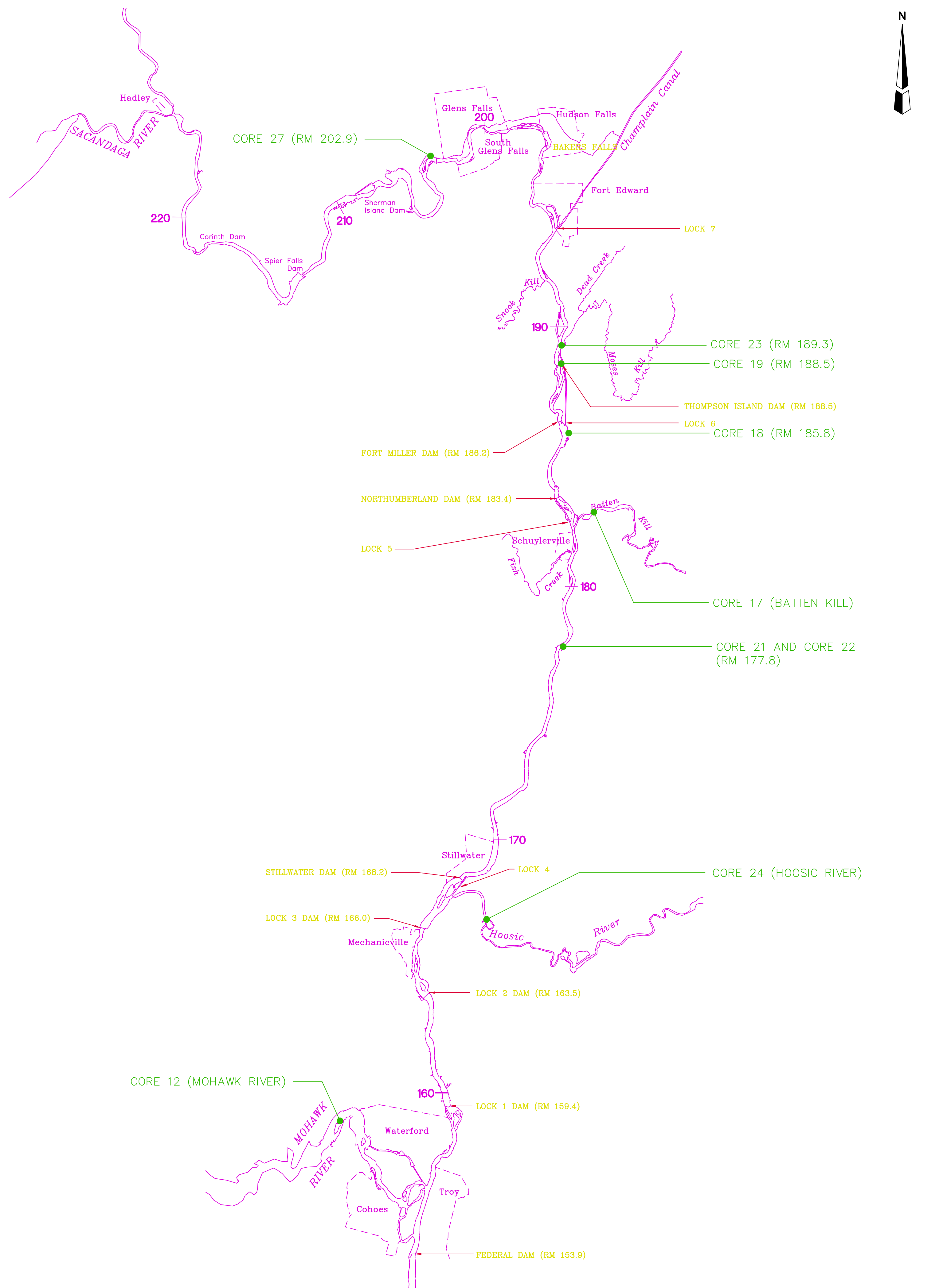
SOURCES:

SHORELINES AND RM DESIGNATIONS ARE APPROXIMATE.

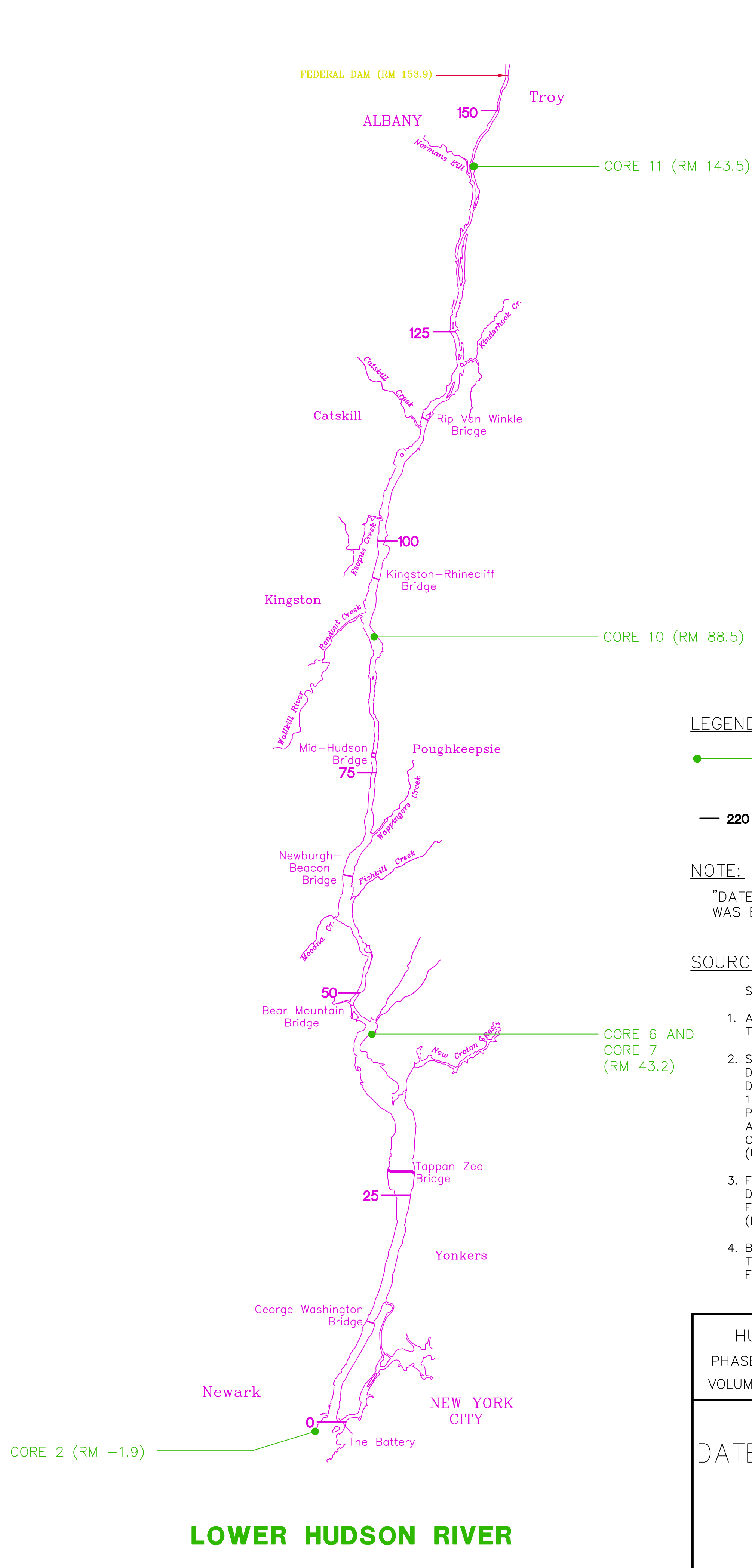
1. ABOVE HUDSON FALLS – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE OBTAINED FROM USGS TOPOGRAPHIC MAPS.
2. SCHUYLERVILLE TO HUDSON FALLS – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE PRINCIPALLY DERIVED BY TAMS FROM THE HUDSON RIVER SURVEY, 1976–1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977). PORTIONS OF THE SHORELINE AROUND ROGERS ISLAND AND BAKERS FALLS WERE OBTAINED FROM NYSDEC BASED ON SUBSEQUENT SURVEYS PERFORMED IN 1986–1992 (UNPUBLISHED).
3. FEDERAL DAM TO SCHUYLERVILLE – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE DERIVED BY GE FROM THE HUDSON RIVER SURVEY, 1976–1977 FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977).

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

NYS THRUWAY AUTHORITY,  
OFFICE OF CANALS, STAFFING  
GAUGE LOCATIONS IN THE  
UPPER HUDSON RIVER



UPPER HUDSON RIVER



LOWER HUDSON RIVER

LEGEND:

- DATED HIGH-RESOLUTION SEDIMENT CORE LOCATION
- 220 RIVER MILE (RM) UPSTREAM OF THE BATTERY

NOTE:

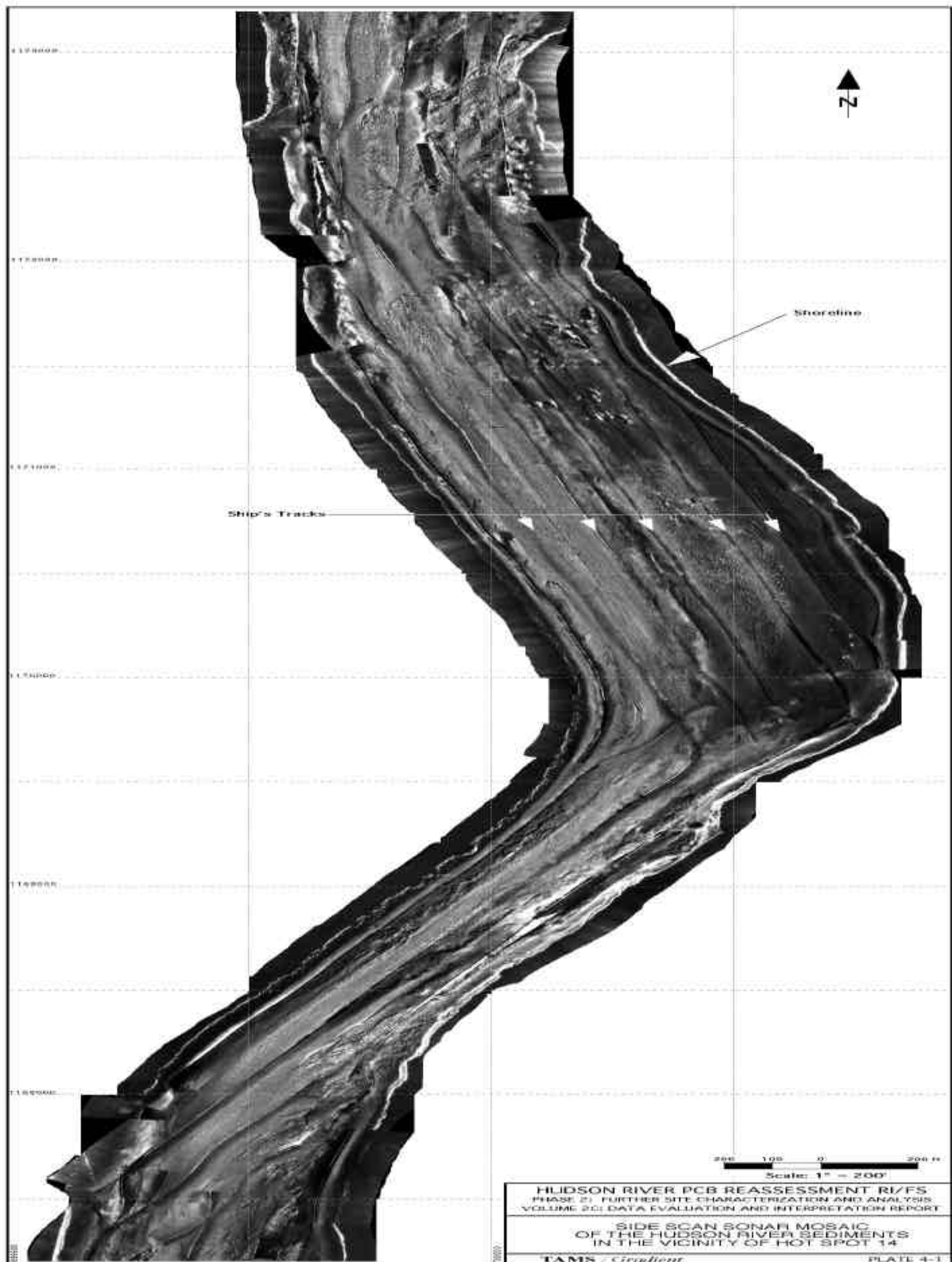
"DATED" INDICATES THAT A CHRONOLOGY WAS ESTABLISHED FOR THE CORE.

SOURCES:

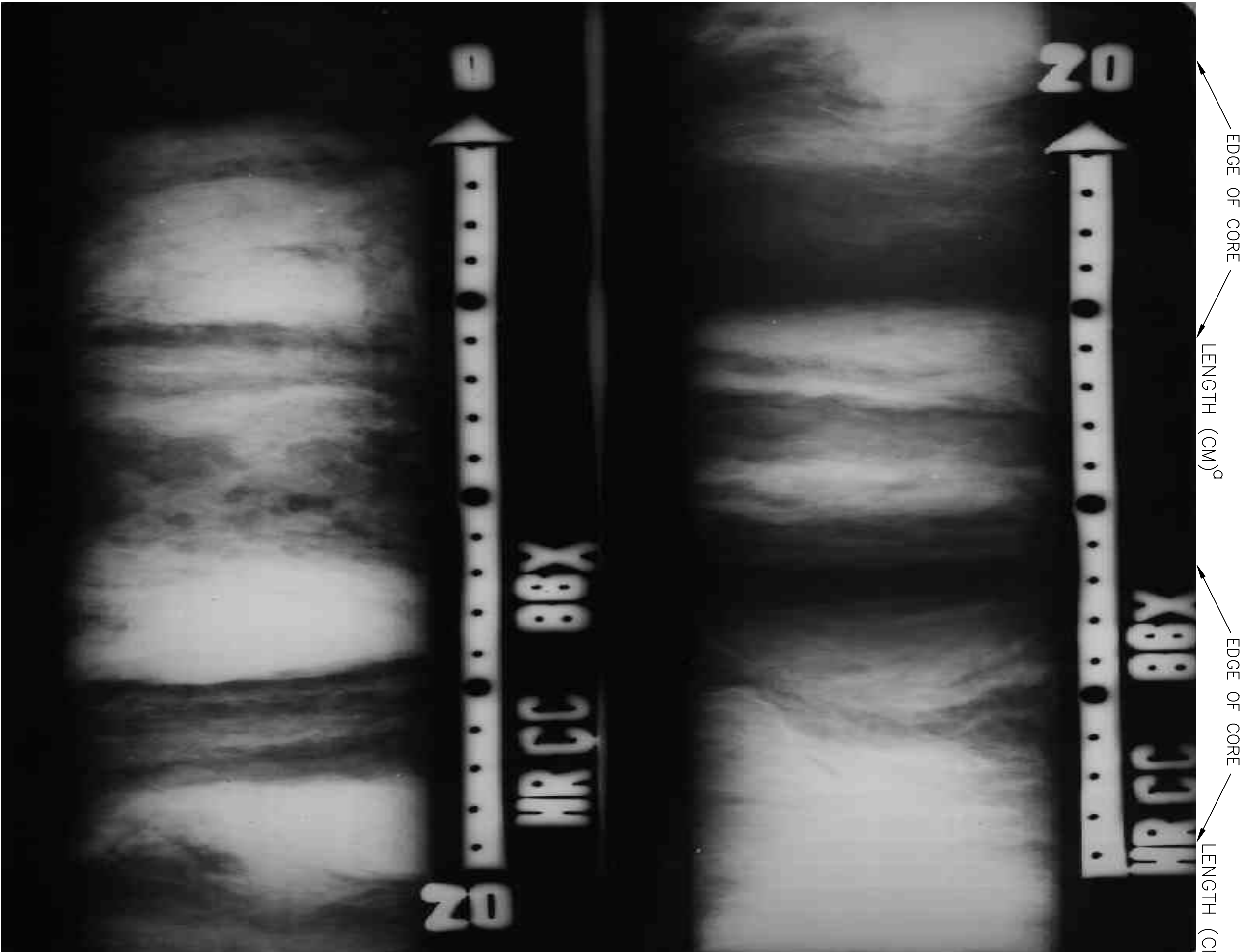
- SHORELINES AND RM DESIGNATIONS ARE APPROXIMATE.
1. ABOVE HUDSON FALLS – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE OBTAINED FROM USGS TOPOGRAPHIC MAPS.
  2. SCHUYLERVILLE TO HUDSON FALLS – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE PRINCIPALLY DERIVED BY TAMS FROM THE HUDSON RIVER SURVEY, 1976–1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977). PORTIONS OF THE SHORELINE AROUND ROGERS ISLAND AND BAKERS FALLS WERE OBTAINED FROM NYSDEC BASED ON SUBSEQUENT SURVEYS PERFORMED IN 1986–1992 (UNPUBLISHED).
  3. FEDERAL DAM TO SCHUYLERVILLE – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE DERIVED BY GE FROM THE HUDSON RIVER SURVEY, 1976–1977, FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977).
  4. BELOW FEDERAL DAM – SHORELINE, RM DESIGNATIONS AND TRIBUTARIES WERE OBTAINED FROM THE HUDSON RIVER FOUNDATION, 1990.

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

DATED HIGH-RESOLUTION SEDIMENT  
CORE LOCATIONS  
IN HUDSON RIVER



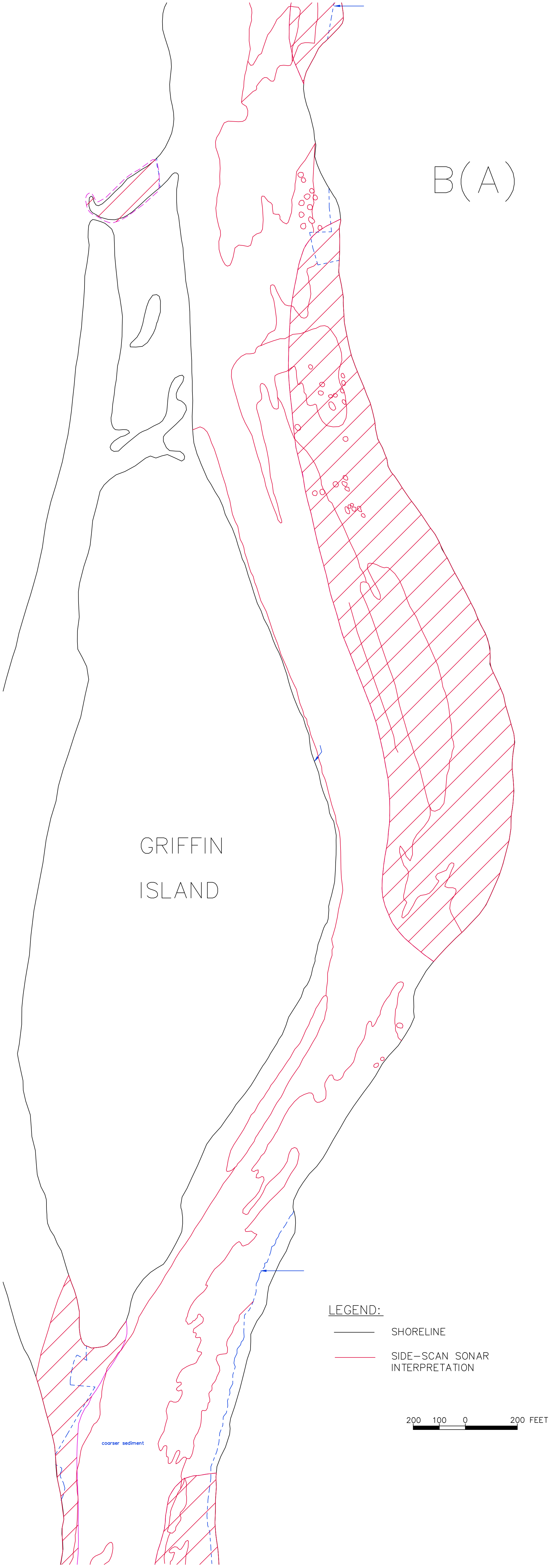




- NOTES:
- a. THE VERTICAL SCALE REPRESENTS APPROXIMATE CORE LENGTH IN CENTIMETERS; EACH MARK CORRESPONDS TO A ONE-CENTIMETER INCREMENT.
  - b. LIGHT AREAS REPRESENT HIGH DENSITY MATERIAL, GENERALLY SANDS AND GRAVELS; DARK AREAS REPRESENT LOW DENSITY MATERIALS GENERALLY HIGH IN ORGANIC CONTENT.
  - c. A DUPLICATE CORE WAS FOUND TO CONTAIN A LAYER OF WOOD CHIPS AND TWIGS AT A DEPTH OF APPROXIMATELY 15 CM

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

X-RADIOGRAPH OF  
CONFIRMATORY CORE 88  
COLLECTED AT APPROXIMATELY  
RM 187.6, SOUTH OF THOMPSON  
ISLAND NEAR HOTSPOT 24



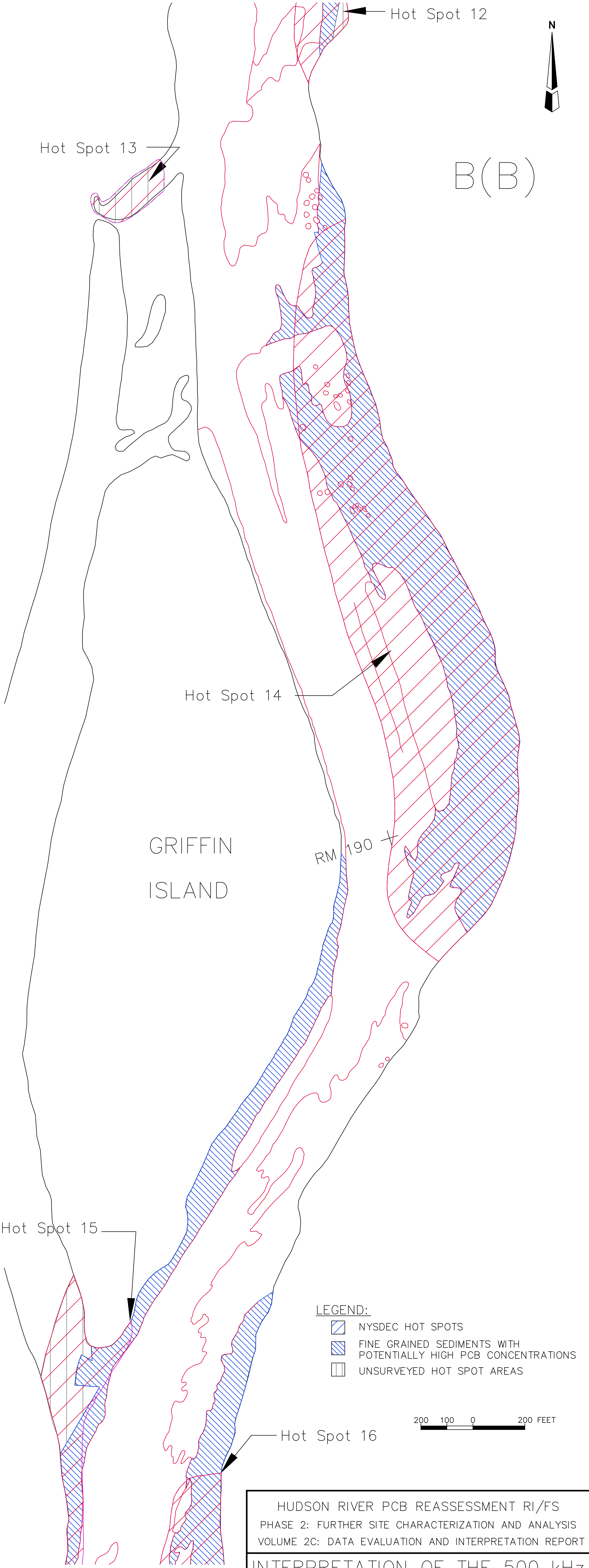
NOTE:

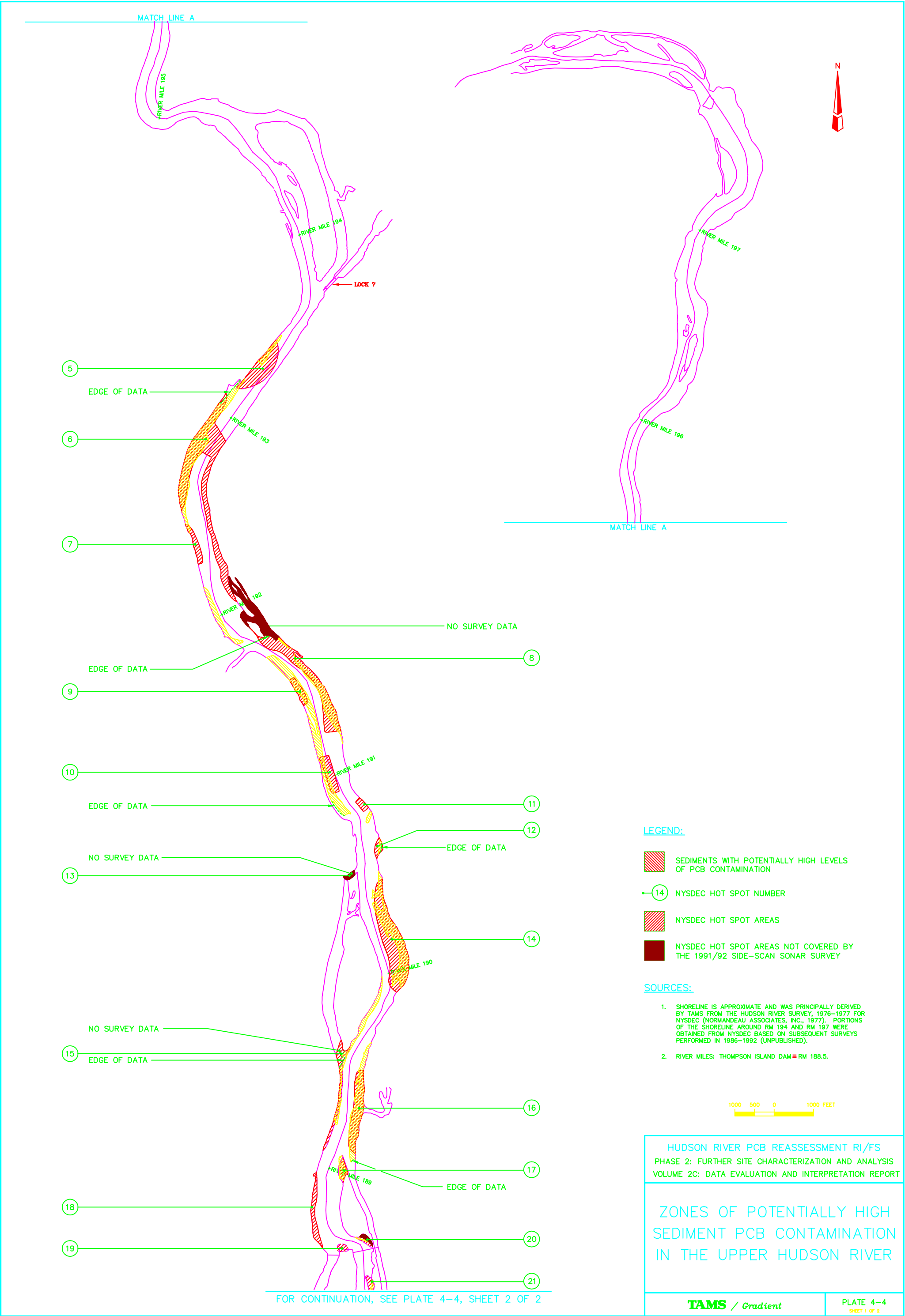
1. nc = NOT CHARACTERIZED

SOURCES:

1. SHORELINE IS APPROXIMATE AND WAS PRINCIPALLY DERIVED BY TAMS FROM THE HUDSON RIVER SURVEY, 1976–1977, PREPARED FOR NYSDEC (NORMANDEAU ASSOCIATES, INC., 1977). PORTIONS OF THE SHORELINE AROUND RM 194 AND RM 197 WERE OBTAINED FROM NYSDEC BASED ON SUBSEQUENT SURVEYS PERFORMED IN 1986–1992 (UNPUBLISHED).

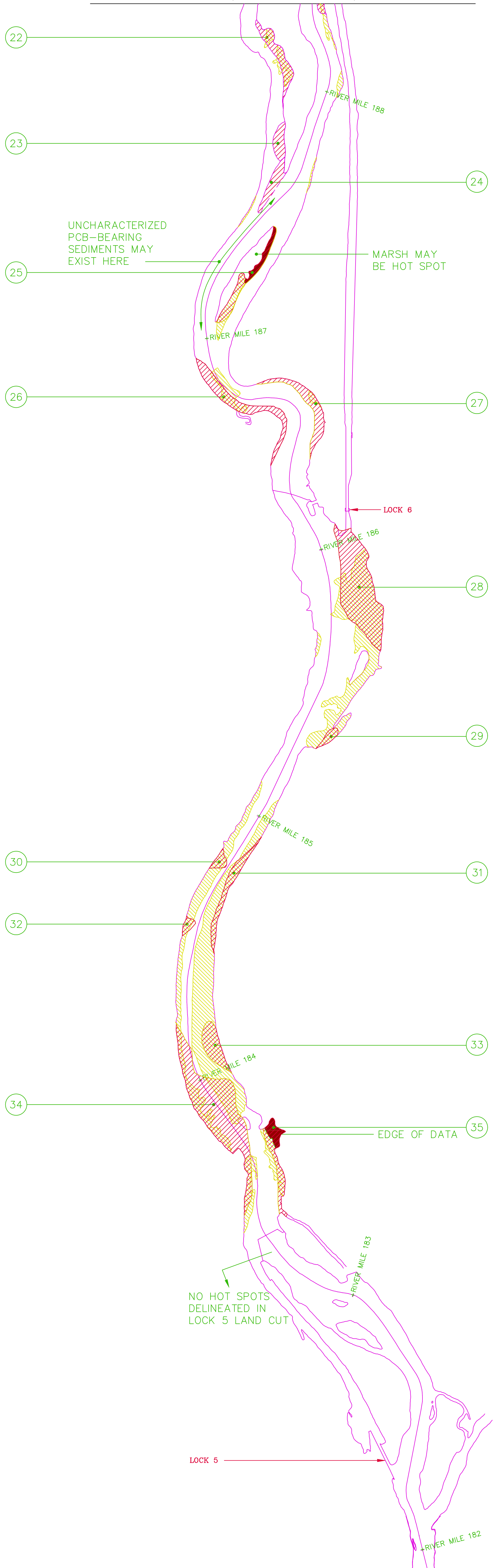
2. RIVER MILES: THOMPSON ISLAND DAM=RM 188.5, RELATIVE TO THE BATTERY (RM 0).



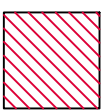

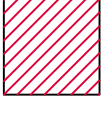



FOR CONTINUATION, SEE PLATE 4-4, SHEET 2 OF 2



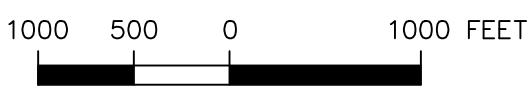


LEGEND:

-  SEDIMENTS WITH POTENTIALLY HIGH LEVELS OF PCB CONTAMINATION
-  NYSDEC HOT SPOT NUMBER
-  NYSDEC HOT SPOT AREAS
-  NYSDEC HOT SPOT AREAS NOT COVERED BY THE 1991/92 SIDE-SCAN SONAR SURVEY

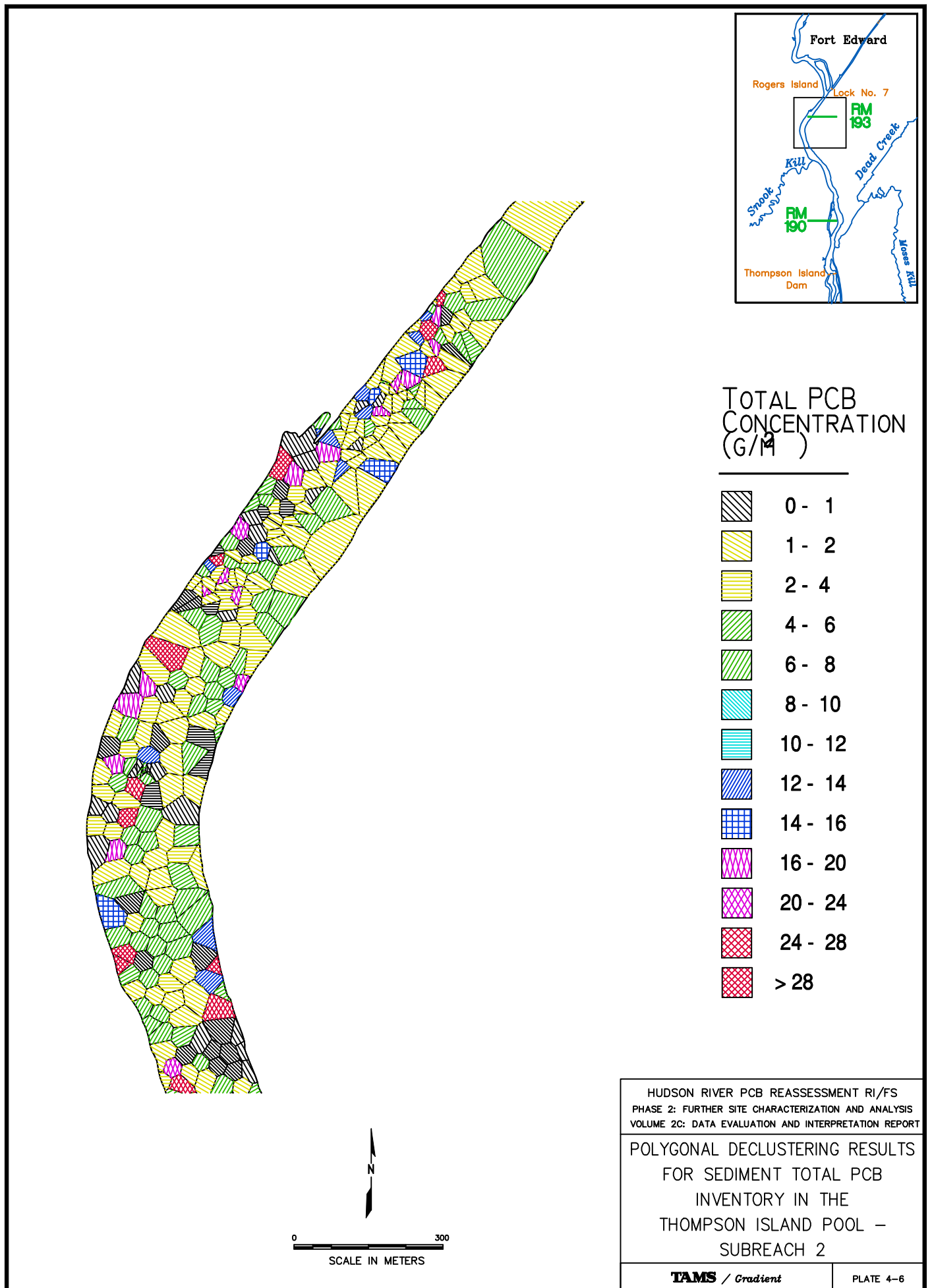
SOURCES:

SEE SHEET 1 OF 2

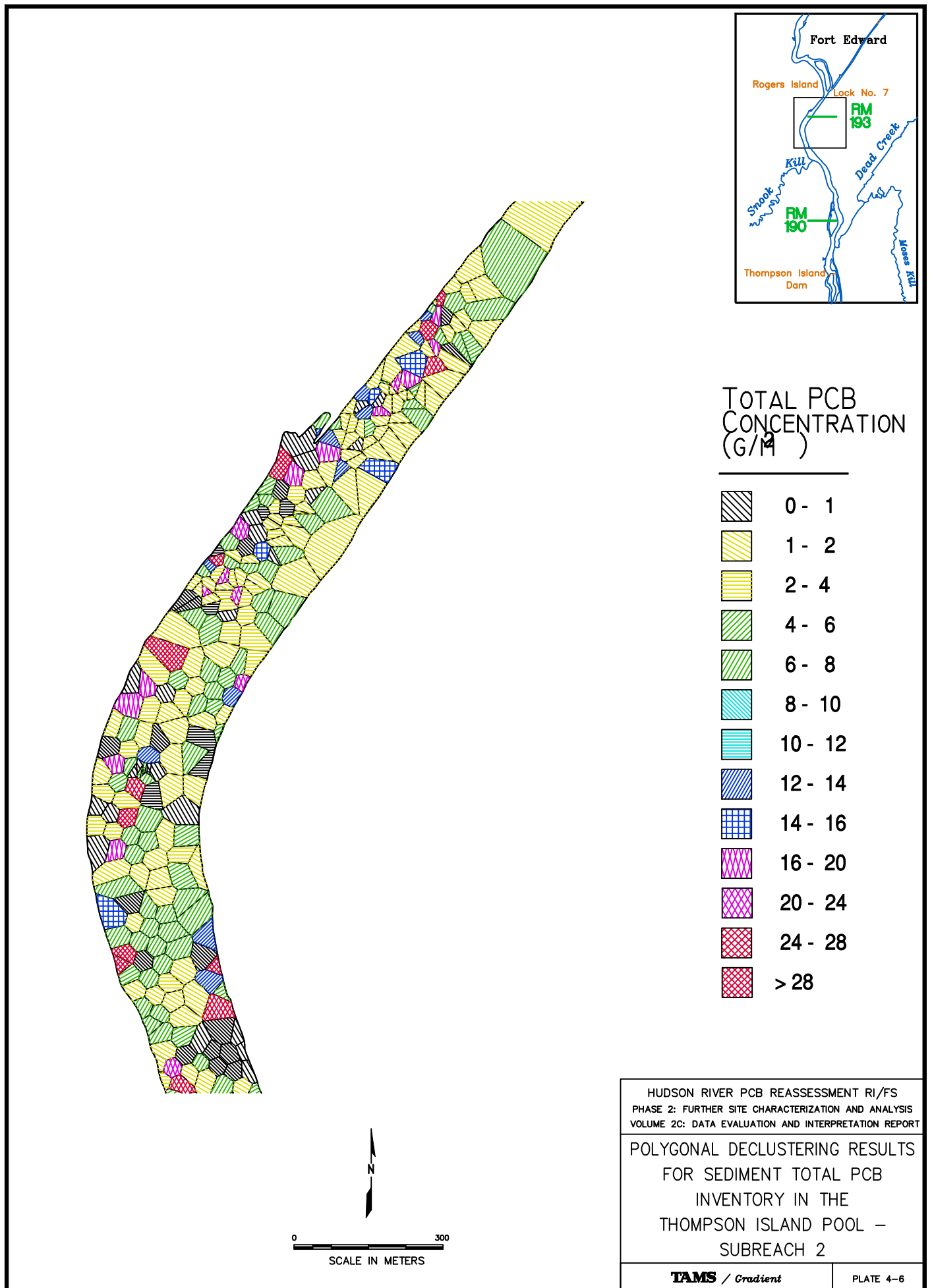


HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

ZONES OF POTENTIALLY HIGH  
SEDIMENT PCB CONTAMINATION  
IN THE UPPER HUDSON RIVER

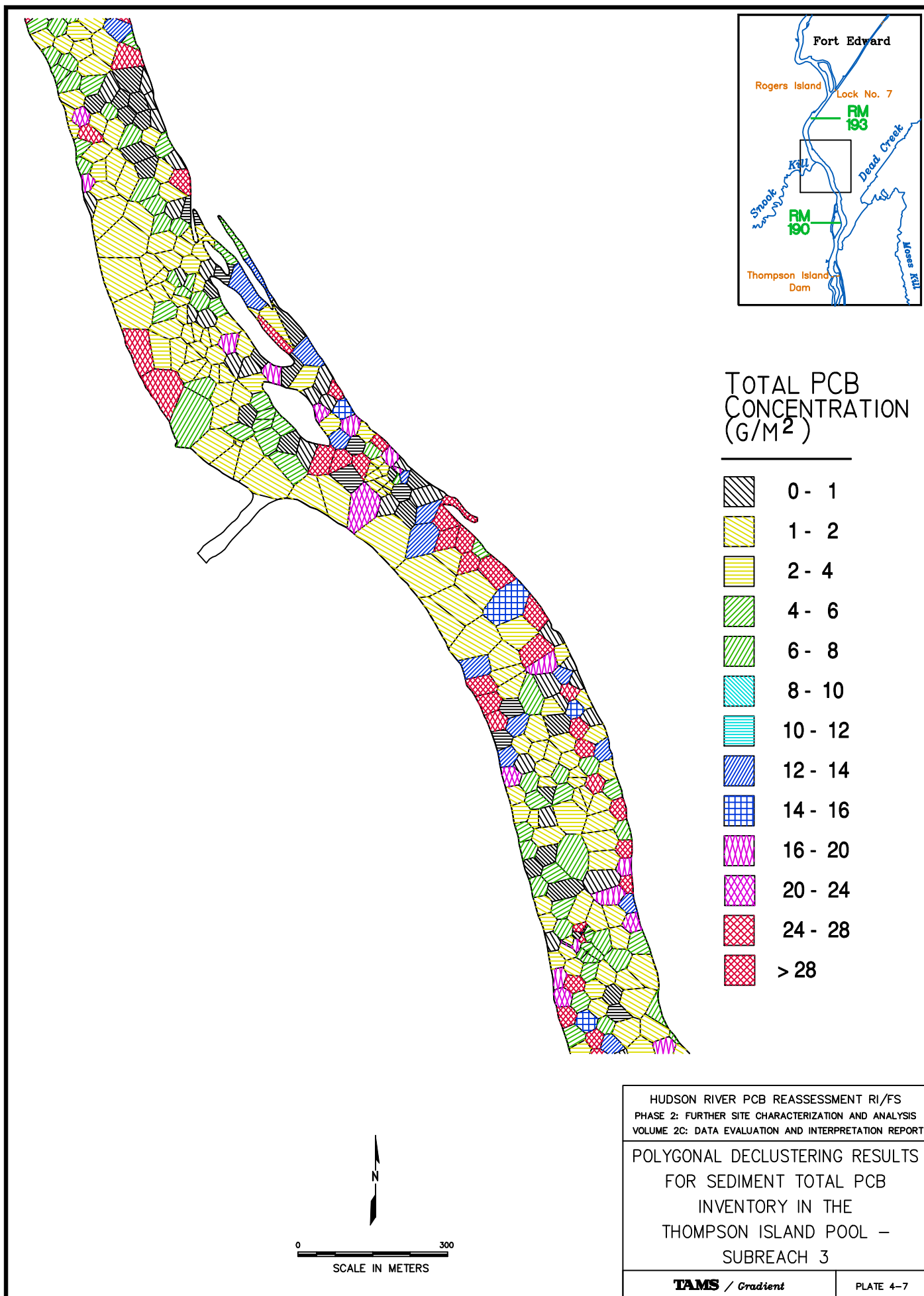


SOURCE: TAMS/Gradient Database.

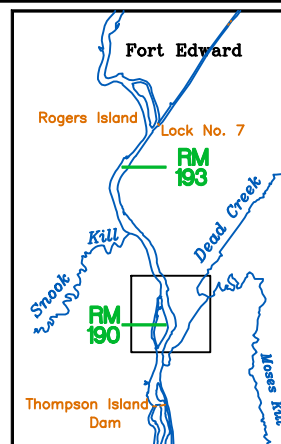
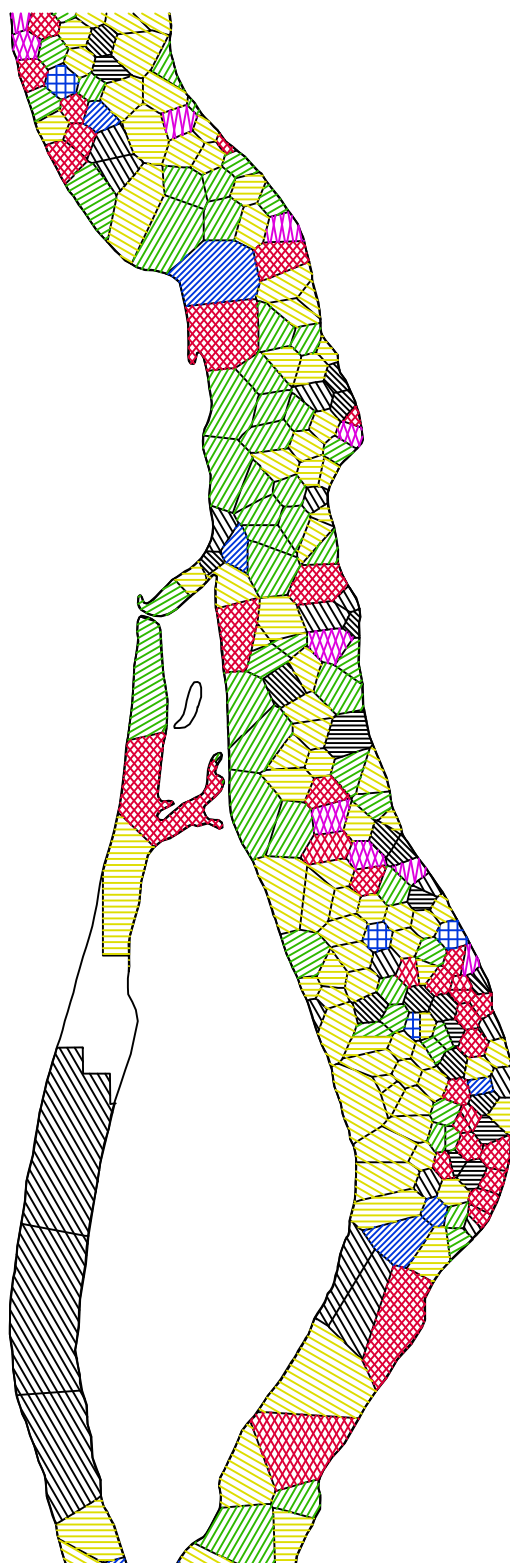


SOURCE: TAMS/Gradient Database.



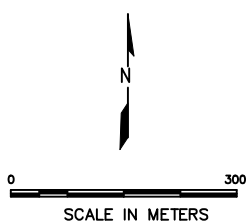


SOURCE: TAMS/Gradient Database.



# TOTAL PCB CONCENTRATION (G/M<sup>2</sup>)

	0 - 1
	1 - 2
	2 - 4
	4 - 6
	6 - 8
	8 - 10
	10 - 12
	12 - 14
	14 - 16
	16 - 20
	20 - 24
	24 - 28
	> 28

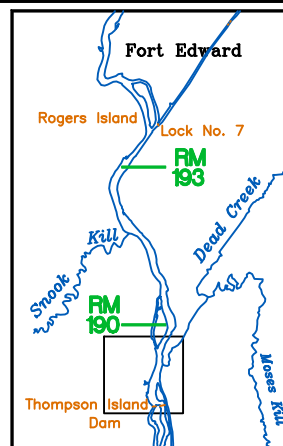
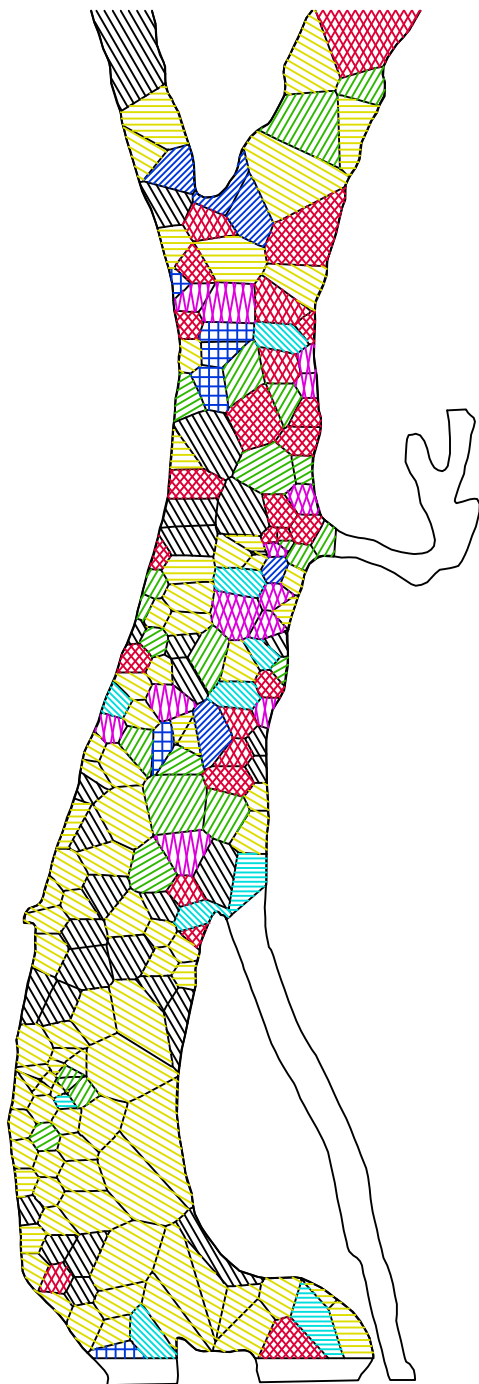


HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

POLYGONAL DECLUSTERING RESULTS  
FOR SEDIMENT TOTAL PCB  
INVENTORY IN THE  
THOMPSON ISLAND POOL –  
SUBREACH 4

**TAMS** / Gradient

PLATE 4–8



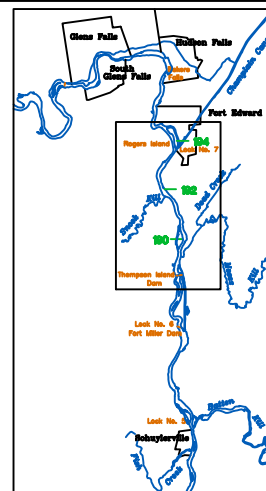
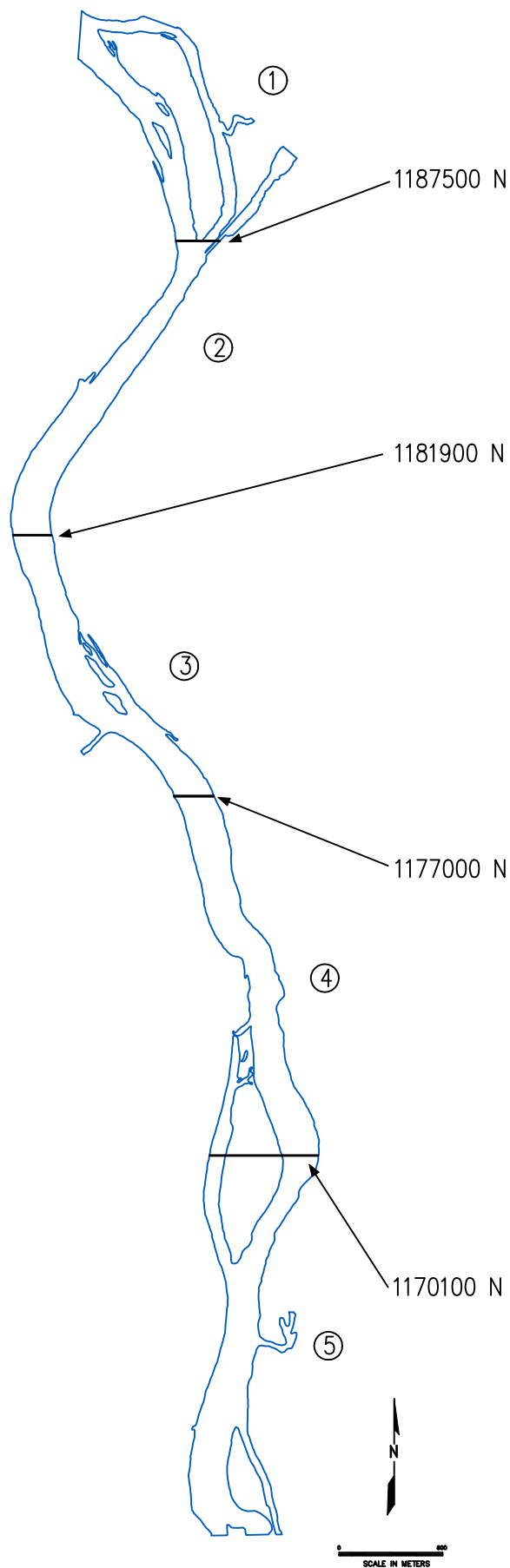
## TOTAL PCB CONCENTRATION (G/M<sup>2</sup>)

	0 - 1
	1 - 2
	2 - 4
	4 - 6
	6 - 8
	8 - 10
	10 - 12
	12 - 14
	14 - 16
	16 - 20
	20 - 24
	24 - 28
	> 28

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

POLYGONAL DECLUSTERING RESULTS  
FOR SEDIMENT TOTAL PCB  
INVENTORY IN THE  
THOMPSON ISLAND POOL —  
SUBREACH 5



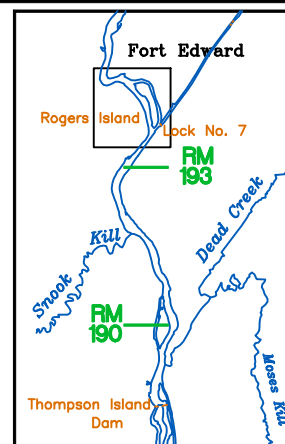
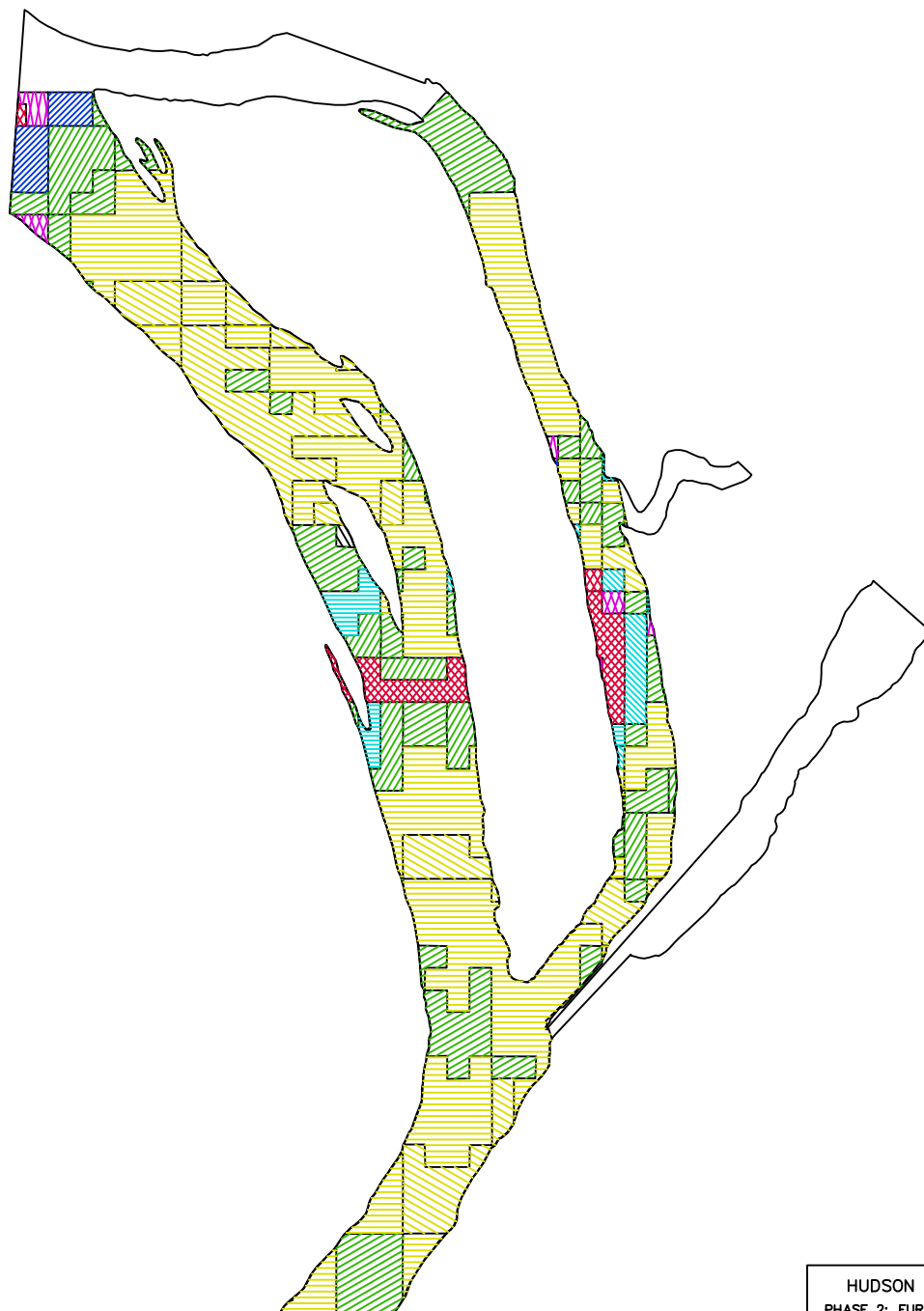


## LEGEND

- ③ SUBREGION
- RIVER OUTLINE

HUDSON RIVER PCB REASSESSMENT RI/FS  
 PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
 VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

SEGMENTATION OF THE  
 THOMPSON ISLAND POOL  
 FOR SEMIVARIOGRAM ANALYSIS



# TOTAL PCB CONCENTRATION (G/M<sup>2</sup>)

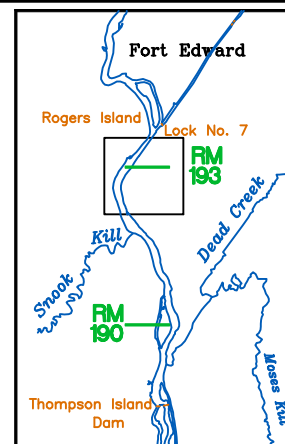
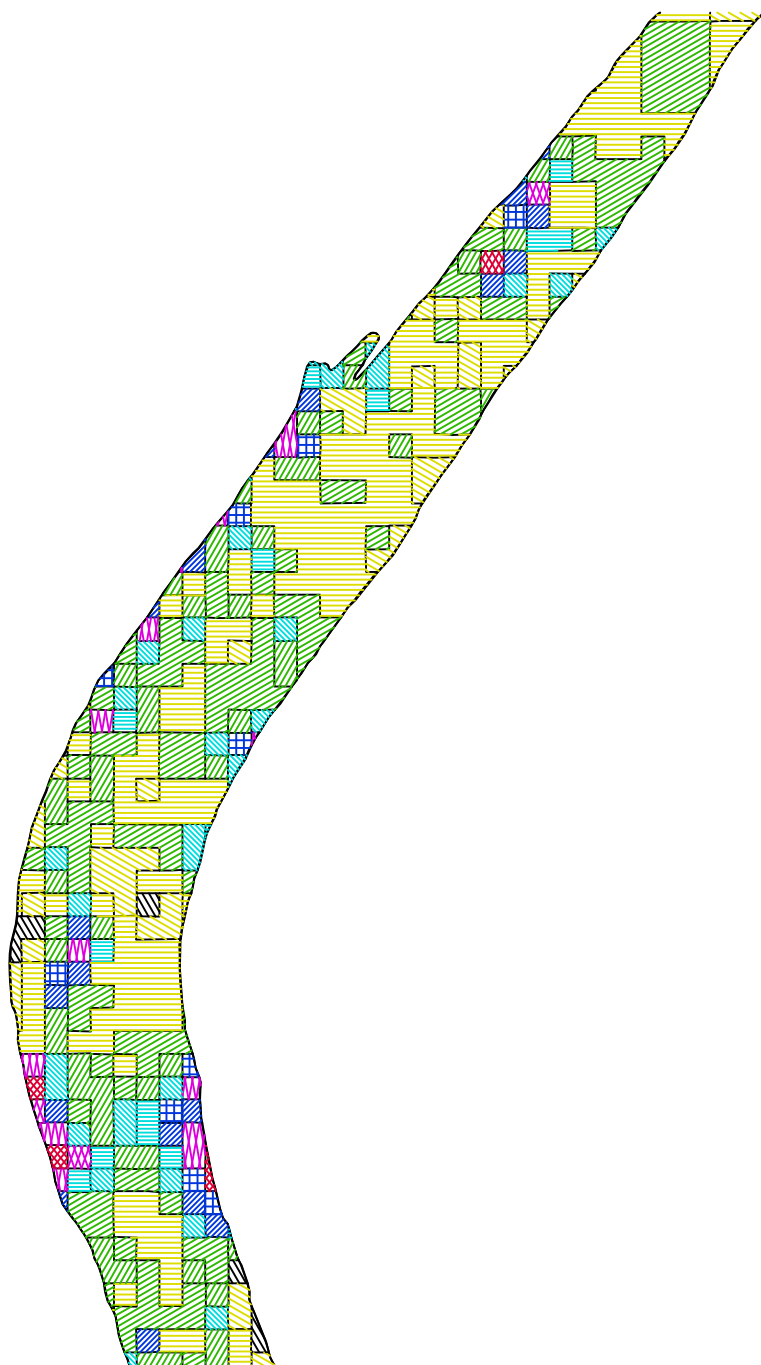
	0 - 1	
	1 - 2	
	2 - 4	
	4 - 6	
	6 - 8	
	8 - 10	
	10 - 12	
	12 - 14	
	14 - 16	
	16 - 20	
	20 - 24	
	24 - 28	
	> 28	



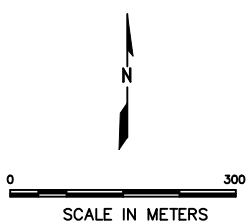
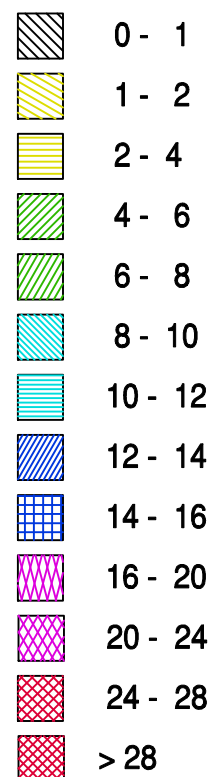
0 300  
SCALE IN METERS

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

BLOCK KRIGING RESULTS FOR  
SEDIMENT TOTAL PCB INVENTORY  
IN THE THOMPSON ISLAND POOL –  
SUBREACH 1



# TOTAL PCB CONCENTRATION (G/M<sup>2</sup>)



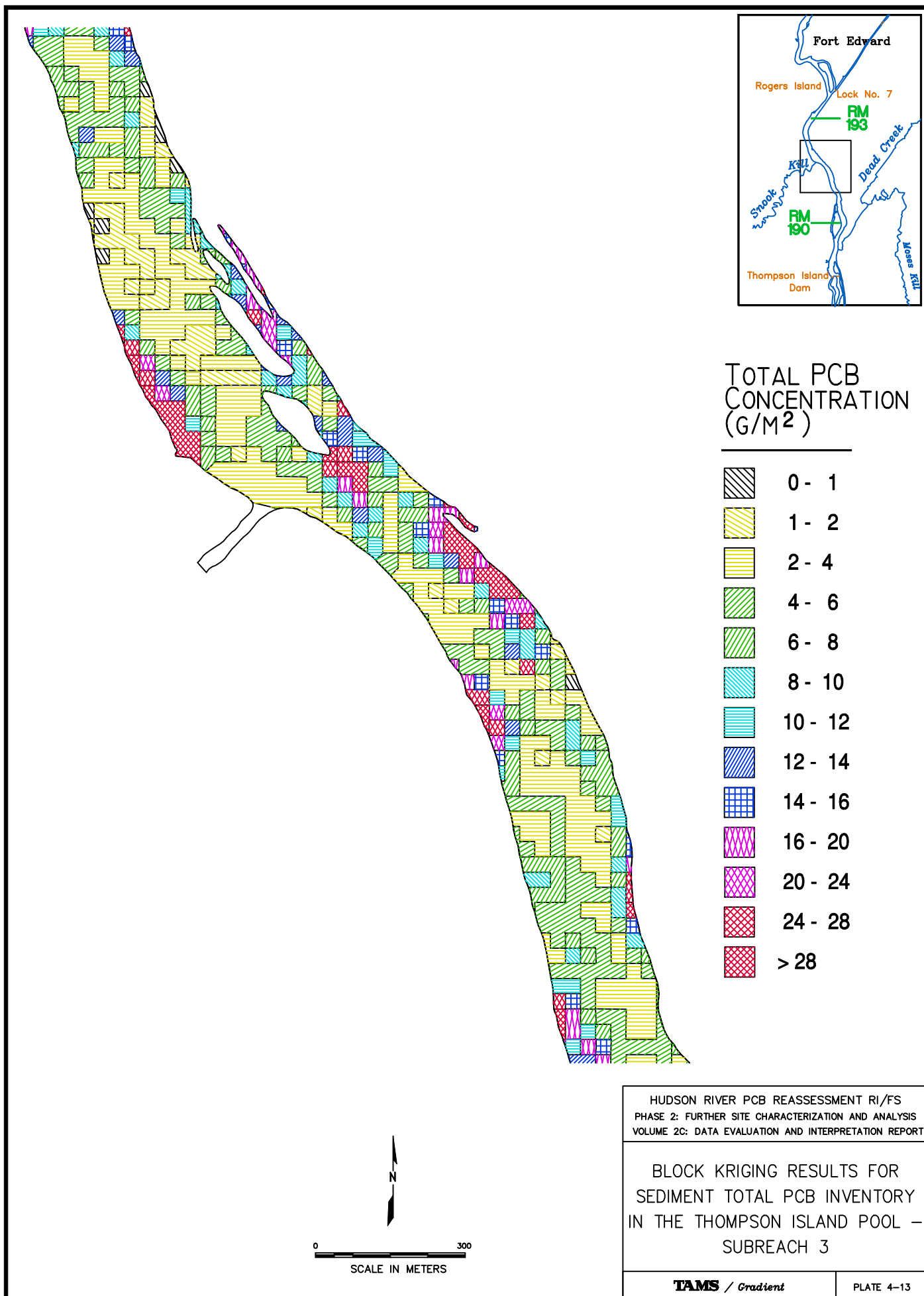
HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

BLOCK KRIGING RESULTS FOR  
SEDIMENT TOTAL PCB INVENTORY  
IN THE THOMPSON ISLAND POOL –  
SUBREACH 2

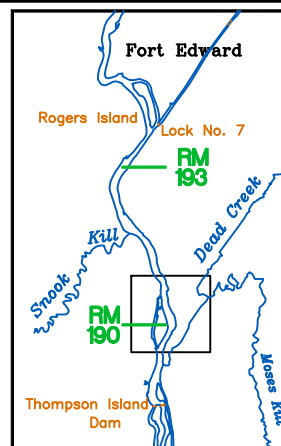
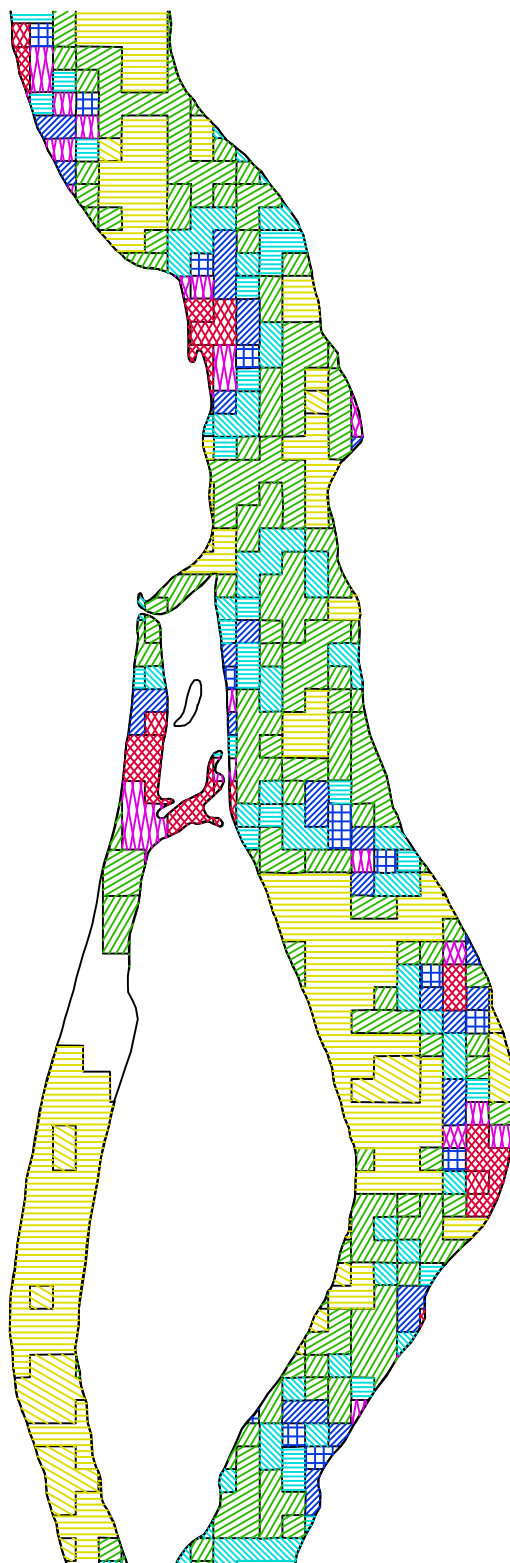
**TAMS** / Gradient

PLATE 4-12



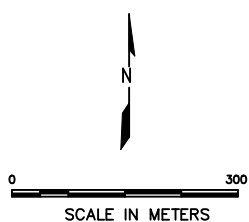


SOURCE: TAMS/Gradient Database.



# TOTAL PCB CONCENTRATION (G/M<sup>2</sup>)

	0 - 1
	1 - 2
	2 - 4
	4 - 6
	6 - 8
	8 - 10
	10 - 12
	12 - 14
	14 - 16
	16 - 20
	20 - 24
	24 - 28
	> 28

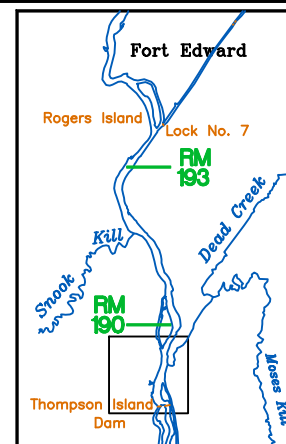
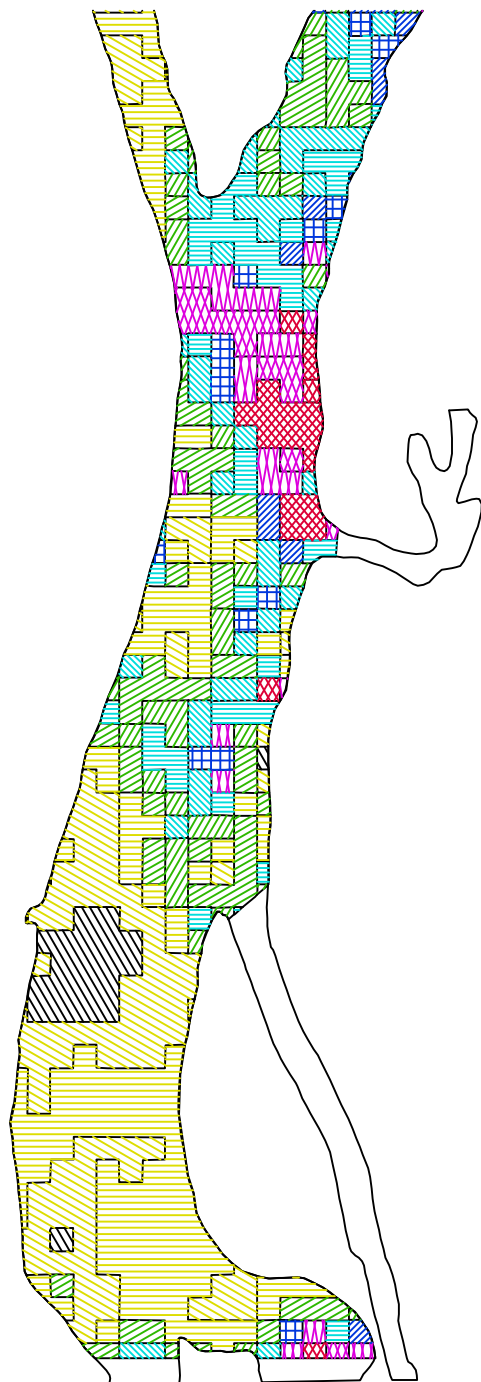


HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

BLOCK KRIGING RESULTS FOR  
SEDIMENT TOTAL PCB INVENTORY  
IN THE THOMPSON ISLAND POOL –  
SUBREACH 4

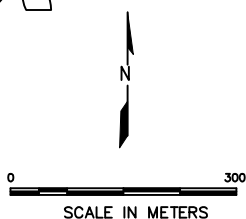
**TAMS** / Gradient

PLATE 4-14



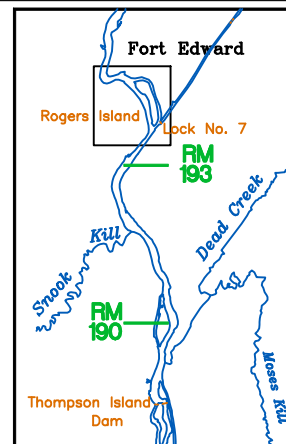
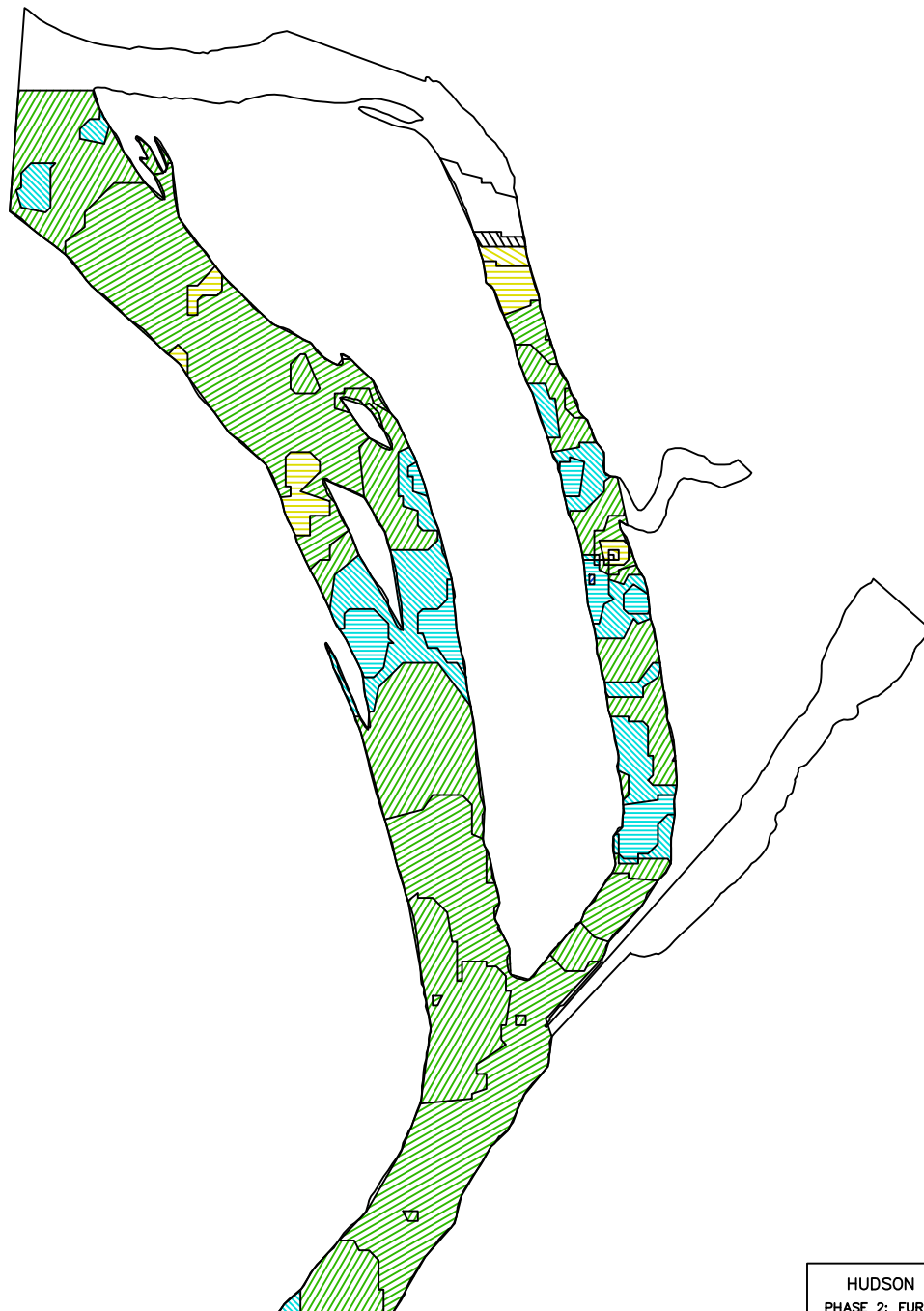
# TOTAL PCB CONCENTRATION (G/M<sup>2</sup>)

	0 - 1
	1 - 2
	2 - 4
	4 - 6
	6 - 8
	8 - 10
	10 - 12
	12 - 14
	14 - 16
	16 - 20
	20 - 24
	24 - 28
	> 28



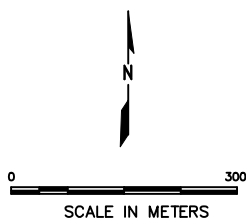
HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

BLOCK KRIGING RESULTS FOR  
SEDIMENT TOTAL PCB INVENTORY  
IN THE THOMPSON ISLAND POOL –  
SUBREACH 5



# TOTAL PCB CONCENTRATION (PPM)

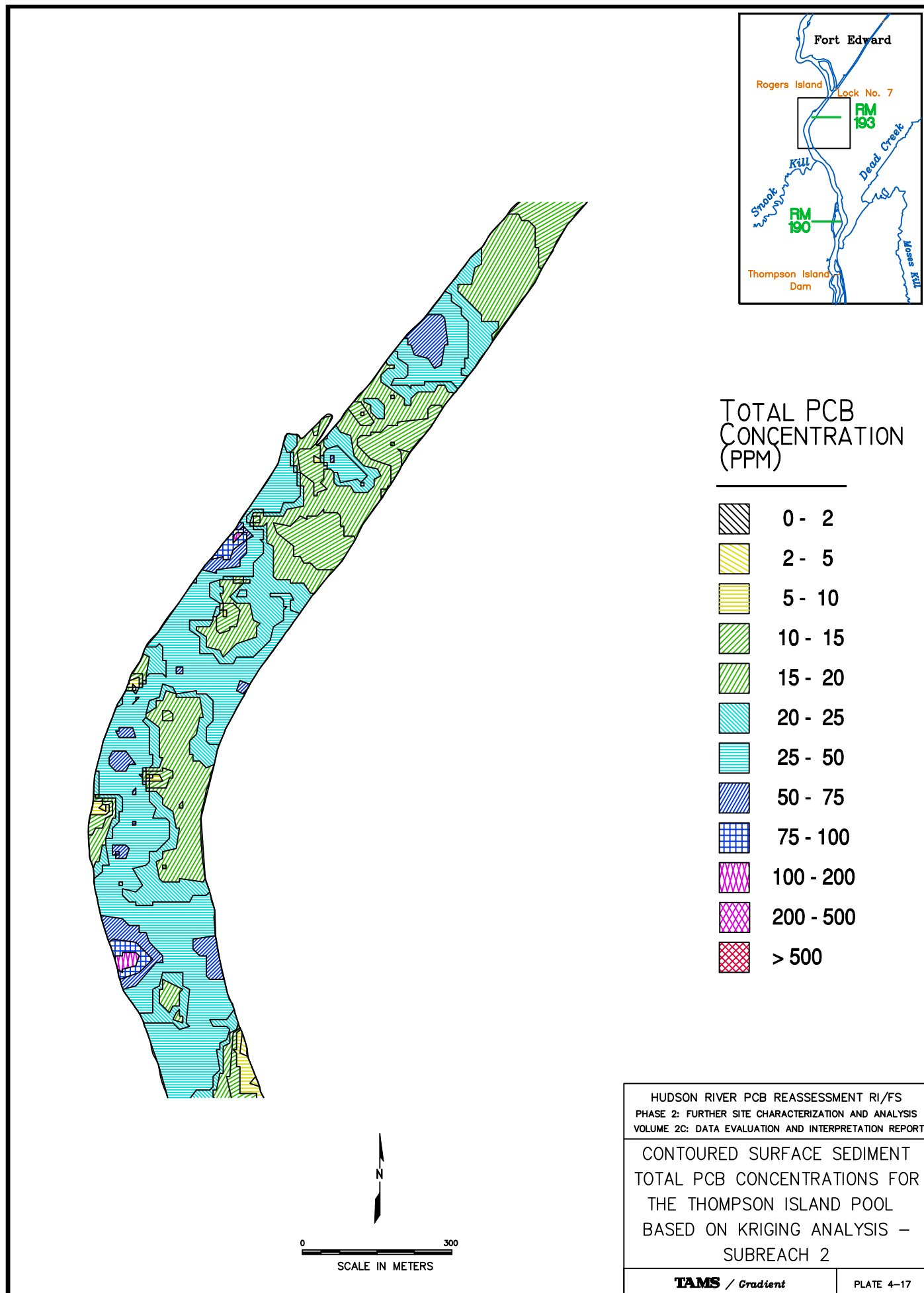
	0 - 2
	2 - 5
	5 - 10
	10 - 15
	15 - 20
	20 - 25
	25 - 50
	50 - 75
	75 - 100
	100 - 200
	200 - 500
	> 500



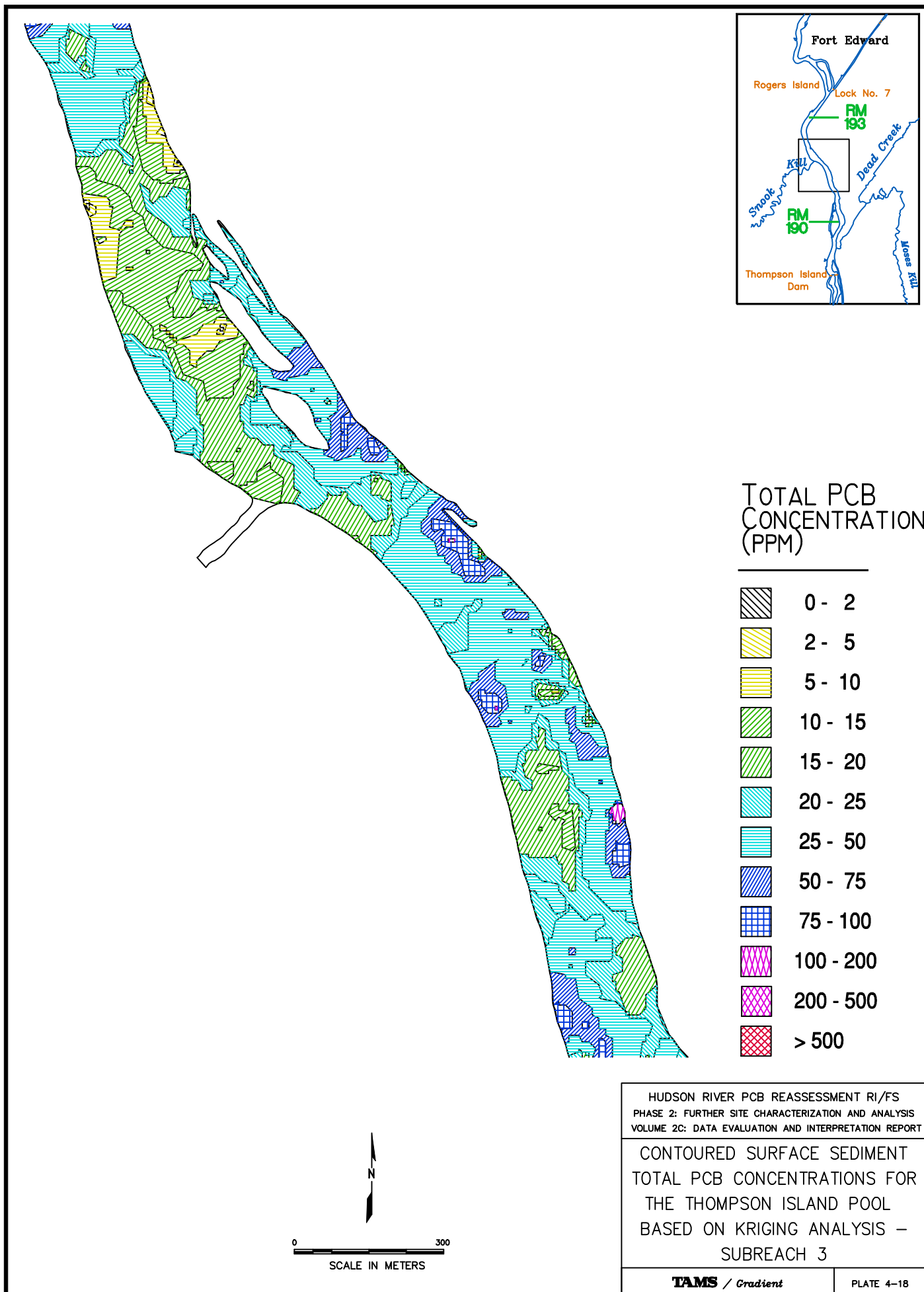
HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

CONTOURED SURFACE SEDIMENT  
TOTAL PCB CONCENTRATIONS FOR  
THE THOMPSON ISLAND POOL  
BASED ON KRIGING ANALYSIS –  
SUBREACH 1

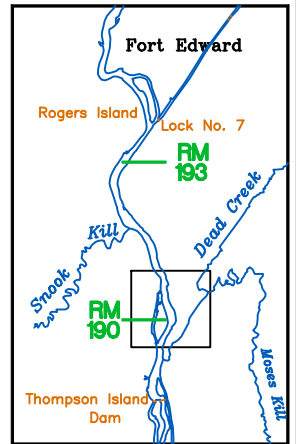
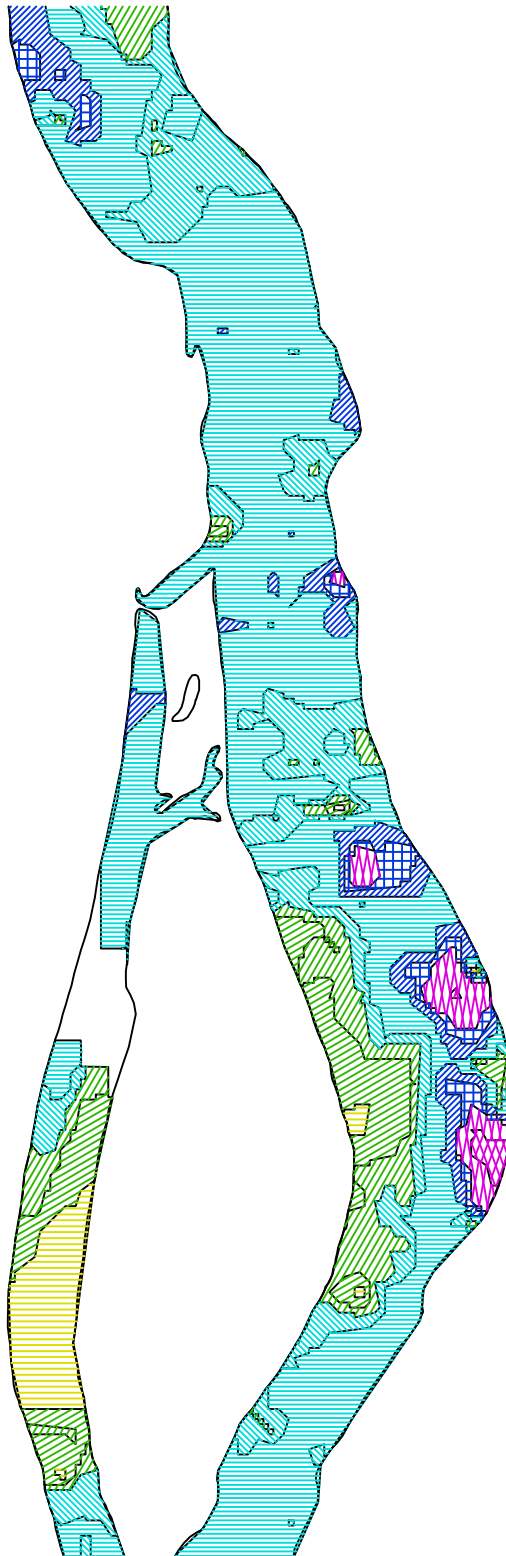
















SOURCE: TAMS/Gradient Database.

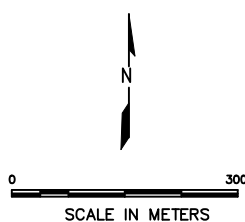


SOURCE: TAMS/Gradient Database.



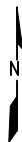
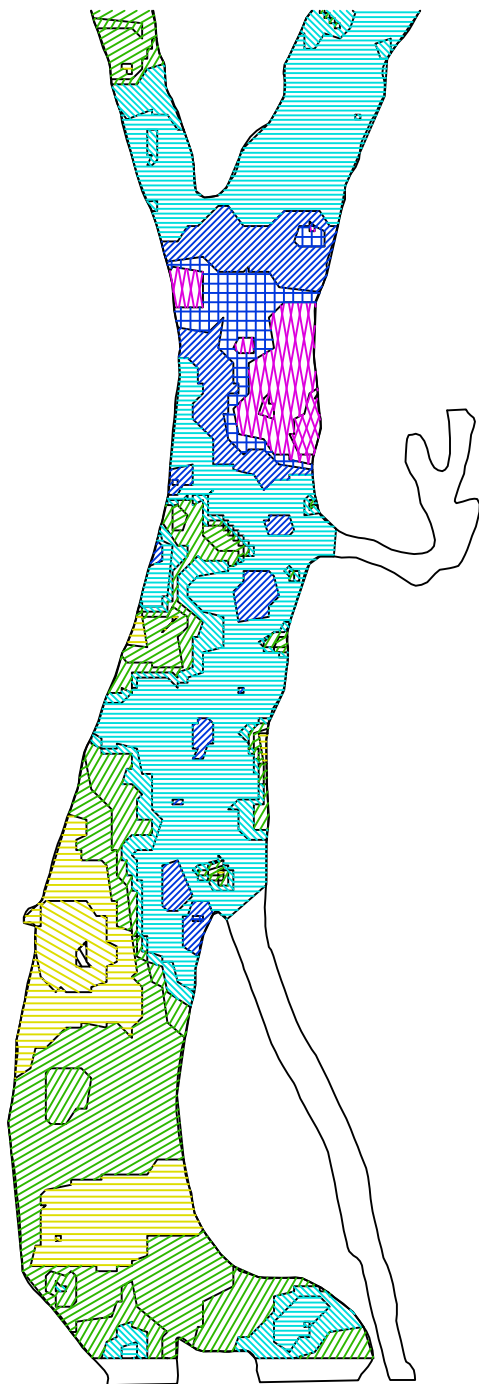
# TOTAL PCB CONCENTRATION (PPM)

	0 - 2
	2 - 5
	5 - 10
	10 - 15
	15 - 20
	20 - 25
	25 - 50
	50 - 75
	75 - 100
	100 - 200
	200 - 500
	> 500

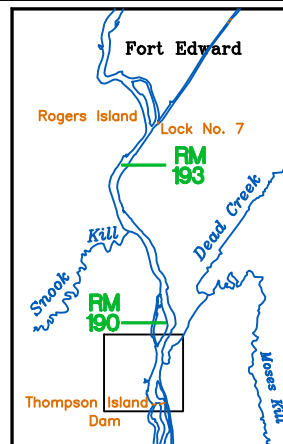


HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

CONTOURED SURFACE SEDIMENT  
TOTAL PCB CONCENTRATIONS FOR  
THE THOMPSON ISLAND POOL  
BASED ON KRIGING ANALYSIS —  
SUBREACH 4



0 300  
SCALE IN METERS



### TOTAL PCB CONCENTRATION (PPM)

	0 - 2
	2 - 5
	5 - 10
	10 - 15
	15 - 20
	20 - 25
	25 - 50
	50 - 75
	75 - 100
	100 - 200
	200 - 500
	> 500

HUDSON RIVER PCB REASSESSMENT RI/FS  
PHASE 2: FURTHER SITE CHARACTERIZATION AND ANALYSIS  
VOLUME 2C: DATA EVALUATION AND INTERPRETATION REPORT

CONTOURED SURFACE SEDIMENT  
TOTAL PCB CONCENTRATIONS FOR  
THE THOMPSON ISLAND POOL  
BASED ON KRIGING ANALYSIS —  
SUBREACH 5

**TAMS** / Gradient

PLATE 4-20